	SEQ ID NO:6132 SEQUENCE LENGTH:21	
5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS07290	
	SEQUENCE DESCRIPTION: GATCATAAAT AAATGTTTAA A	01
	UNICATAAAT AAATUITTAA A	21
10	SEQ ID NO:6133	
	SEQUENCE LENGTH: 331	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
15	CLONE: HUMGS07291	
	SEQUENCE DESCRIPTION:	
	GATCATTIC AAAAATTGCA TIGGGGCCTT CGTTATTTAC CATAGTATTI NCACTTTCAT	
	AGTTTTGTCA CCTTTTTGTA CTGTGAACAG TTCAACCAGT GACCGACTTC TCTCTCATGC T	
20	GAAAGCTGTG TACTCTATTC ATATATTGTC CTTTCATGCT AGTGGAGAGT GGTGTCATTA 2	
	GCATCTNAAT TTTAGAGTTG TGNAATGATT TTNCCAATTA GGAATTGANT GTGTATTTNT	
		331
25	SEQ ID NO:6134	
	SEQUENCE LENGTH: 40	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
30	CLONE:HUNGS07292 SEQUENCE DESCRIPTION:	
	GATCTTAAAA CAAAATGAAA TAAACGTGAA AAGGAGCAAA	40
	Univillada Camaridaan Inanculuan Angungcaan	TV
	SEQ ID NO:6135	
35	SEQUENCE LENGTH:53	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS07293	
40	SEQUENCE DESCRIPTION: GATCGTGAAT AGTAAGTATC ACTTCCATAA ATAGAAAGTG TCAGAAAAAT AAA	53
	UNICUTUANT AUTAMUTATE ACTICUATAA ATAUAAAUTU TEAUAAAAAT AAA	33
	SEQ ID NO:6136	
	SEQUENCE LENGTH: 336	
45	SEQUENCE TYPE: nucleic acid	
=	TOPOLOGY: linear	
	CLONE: HUMGS07294	
	SEQUENCE DESCRIPTION:	
50	GATCTTGAAA GAGGTAAAAT AAACCTTCAC TGCTCCACTC CAGGTGAATC CGCCCACTCC CACTGACCTA GTAGAATTTG TAATTTAATA CTTACCTTCT ATTTCTGAAA TCAGTTGTGA 1	60
JU	CACTUACCIA GIAGANILIG IANTITANIA CHIACCITCI ATTICIDAAA TCAGILGIGA	LZU

	ACTGTTGCCT TATGTTCAGA	GGTTTAAGAA	CCTCAGTGAA	TTCATTTTT	AAAATCTGCT	180
	ATTCTGAGAA GCATTGAATG	AATTCTTAAC	AAGAAGNCTC	ATCTGTAGCT	GTTTGCTGAC	240
	TCCTATGAGC CCATAAGGGT	TCTGTGCTTA	GCATTAACAA	ANTAAGGTTT	ATAGGGTAAA	300
5	AGCCAATGTA TTANTTTTTT	TTTGCATGGG	GGGCNN			336
	SEQ ID NO:6137					
	SEQUENCE LENGTH: 235					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear					
	CLONE: HUNGS07295					
	SEQUENCE DESCRIPTION:					
	GATCTAGGAC ACTCATATCC	AGGGTGATTC	TCTTCATAAG	GAGGCATGGG	CTGAGTCTCC	60
15	ATTTATAGGG GCTGTCCCCA	TAGAGACTTC	AAGCCACACC	TTTCTAGGGA	TTCAGGTTGC	120
-	ACATTACCTG ATTCTCACAG	TTGATTTGAG	CCTGCAAGAC	TGTAAACCCA	TCCCATTATC	180
	ATGTTTTCTT CCTCATTTAC	CTACATTTAT	CATTAAACCT	TTGTGATTCA	GCAAA	235
	SEQ ID NO:6138					
20	SEQUENCE LENGTH: 142					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07296					
25	SEQUENCE DESCRIPTION:					
20	GATCCAGGAT GACTGTACAT	CTCAGATAAA	GGAGGCTCAG	CGCTGGAAGG	ACAGCTGGAA	60
	GCAGTCCCTG CACACTATCC	AGGGCCTGTA	TGTGTGACCC	TCCGCCCCAC	CATGAATAAA	120
	CACTTTCTTA TACAGACTCA	AA				142
30	SEQ ID NO:6139					
	SEQUENCE LENGTH: 277					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
or.	CLONE: HUNGS07297	•				
35	SEQUENCE DESCRIPTION:					
	GATCCGCCAA GCAGGGCAGT	ATCTGGGTTA	CAGCCACAGC	AGGAAGAACC	ACTGGAGAGA	60
	CACTCAGAAG GACTTCCCTG	ACATCTGCAC	CAAGGAGAGT	CTGGACAAAG	CTACTGAAAC	120
	TCCTCCACCT GCTTCTAAAA	TGCCCAGAAG	CCAACTGGAC	CNGTTTGGTA	TTTNGAAGTA	180
40	GGNGGNTGGN GGCTTTAACC	NCCAAAGGGT	TCCTGAAGCC	CNGGAACTTG	GANTNTGGAG	240
	GGGGTTNNGG CCTTANTTGA	GGGTTGGTGG	GTTTCNN			277
	SEQ ID NO:6140					
	SEQUENCE LENGTH: 247			•		
45	SEQUENCE TYPE: nucleic	acid	•			
	TOPOLOGY: linear					
	CLONE: HUMGS07298					
	SEQUENCE DESCRIPTION:			•		
	GATCAGAAAA CATTGATTTA	TATTTAAAAA	TAGGATATTG	CACCCATTCT	CTTAGATAAT	60

	TNNCAAGGCA AGANCAAGCC	TGCAATAAAT	AATGAGACTT	TGACATTCCT	TGGCGAAGAA	120
	GATGTCTCCT GCCCTAATAT	GACTGTCACT	CAGCAATTTC	ANTTTTNTGT	TTACTTGATT	180
	TANAANGGGA GGATAANTTG	TCCTGANAAG	TTTTTTTGTT	TCCTTAACAT	TTCANNGTTT	240
5	TCNCTGN					247
					•	
	SEQ ID NO:6141					
	SEQUENCE LENGTH: 228					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07299					
	SEQUENCE DESCRIPTION:					
	GATCCCTGAT GGGATGCCTG					60
15	TAAGGCAAAA NATTGAGAGA					
	TTTGACTAGT TATGATGGTC				TGTAAGATGG	
	GGACANTTAA TGTNTATNCN	CTGTCCAANT	TCAANAGGTA	CAACNGAN		228
	•					
20	SEQ ID NO:6142					
	SEQUENCE LENGTH: 228					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07300					
25	SEQUENCE DESCRIPTION:					
	GATCCACCTG TCTCTTGAAA	ATATAAAAG	ACAAAACAGG	TTTGCCTTGG	CATCAGAGAG	60
	CACAAAGATT AAAAGTTACT		= -			
	TTTTCCCTCT TCCATACTGG	TAGATGCGAA	ATTNATCTGT	GCATGANAGG	GTCACTTCTG	180
	TNATCGTGCA ACAGNTTTGG	TATTANNCCT	TNNCTGTGGT	TTTNCCAN		228
30						
	SEQ ID NO:6143					
	SEQUENCE LENGTH: 299					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS07301					
	SEQUENCE DESCRIPTION:					
	GATCCTCTGA TATACAATTA	GAGATATTTT	AATATAGNCC	CCAAGCATTC	TGTGCATAAA	60
	AGTTAACATT AGGCTGTGGT	GCAGTAACCA	TTTAATGTCG	AGGCTCTATT	TCGGAAATAC	120
40	ACTACAAATG TTAAAGTACG	TGGCTGTCCT	CTTAAGNCAC	TAGTAGAGCA	AAGCCTTAAT	180
	CATATCANCT TAATTCTGTT	ACACAATATG	TGTTTTTNAA	TATACTANCC	ATTTCTNATG	240
	GAANGGTCCT GTGGGGNGCC	CNTCCTCTCG	CCANGCCATC	ACAGGCTCTG	CATACACGN	299
	SEQ ID NO:6144			•		
45	SEQUENCE LENGTH: 152					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	-0.4				
	CLONE: HUMGS07302					
50	SEQUENCE DESCRIPTION:					

	GATCGGGTGC TAGGACAACT	GCAGTCCAAT	CCACCAGCTC	TCCNTGCCCC	TGTGTCTTAT	60
	TTCAGACATG AGAATAACTG	TACAGTGTAA	ACTTATAAAG	CGTTTTTAAT	GGTTGTAGAT	120
	TGGAAATAAA GTATGTCATA	TGAACAGCTA	AA			152
5						
	SEQ ID NO:6145					
	SEQUENCE LENGTH: 131					
•	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY: linear					
10	CLONE: HUNGS07303					
	SEQUENCE DESCRIPTION:					
	GATCCCACCT GCTCAGGCCG	TACACCTTAT	GGGGAGCCAT	TAAGGGGNCT	CATCTAGGCA	60
	TTCTGGNTAC AGCCCAGTGC	TCATCCCAGC	GTATGCTCCN	CTCTNTAGNG	CAGCCTAAAG	120
15	NGTCAGCCAC N					131
	SEQ ID NO:6146			•		
	SEQUENCE LENGTH: 154					
20	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS07304					
	SEQUENCE DESCRIPTION:					
	GATCTTCAGA GAAATAAAAC	TTGAGTGCAG	TAGTTTATTT	GGCGTTTGGC	TCCAGGATGC	60
25	AGGNGTGGGA AAGATGGTAG	AGAGCCAGAA	GAAAANTCAA	TAGAACGGTA	TTACGGCGNN	
	TGGNTATATA ATNCTTCCCN	GAATTGTCTG	ACTN			154
	SEQ ID NO:6147					
	SEQUENCE LENGTH: 251					
30	•	:-				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07305					
	SEQUENCE DESCRIPTION:	6644668446		0010000000	****	60
35	GATCCAGTGC TATTCTGTCA					
	TCACAGGTGA CAGCTGNGGN					
	ATGATTATNA AGCATCACCC					
	GAGTTTAGTT CATTNCAATA	CATTIGLACN	IGIAAAAANI	GUAANGINGA	CCINNGIANI	-
40	CNTTTAATCG N					251
 -	CEO ID NO. C140					
	SEQ ID NO:6148					
	SEQUENCE LENGTH: 213		•			
	SEQUENCE TYPE:nucleic	aclo				
45	TOPOLOGY: linear					
	CLONE: HUMGS07306		•			
	SEQUENCE DESCRIPTION:	*****	00 t #000000	1701000010	1010114100	e^
	GATCTCGGAG ACTCNGTCCA					60
50	TACACAGGTG GAGCAACATG AATGNANCTG GGGTGGTTAA					
50	AAIUUAARLIU UUUIUUIIAA	LIILIAAIII	IAUUULIUIUL	IAULUIILAU	AIGUALIGGI	100

	TCCTTCCCCA ATGTGACCAT	CTNNNNATTC	NAN			213
5	SEQ ID NO:6149 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07307	acid			•	
10	SEQUENCE DESCRIPTION: GATCAAGATG AATNTAATGT TTTNAGAATC AAACCTTTGG					60 113
15	SEQ ID NO:6150 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07308	acid		·		
20 .	SEQUENCE DESCRIPTION: GATCTGTGCA TCTGGCCAGC GCATTCAGGA GTTAGTGGGT AAANCAAGAA GNACATTGTC TTTTCGCTTN TGTTAATNTG	CACGTTTGAC ATATTTNCTA	AAGGGCCAAT CCTTTTGTTT	AAAGAAATAT ATATAAATTT	GCAAAGACAA	120
25	SEQ ID NO:6151 SEQUENCE LENGTH:42					
30	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07309 SEQUENCE DESCRIPTION: GATCACAATT GTGGACATTA		TGTTCACACA	AA		42
35	SEQ ID NO:6152 SEQUENCE LENGTH:311 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07311	acid	·			
40	SEQUENCE DESCRIPTION: GATCCAGCTT ATNCTTTAAT					
45	TACCCCTCCC TAAGCCCTTA GAGACCTGGG TGGTGACTGA GCTTGATTTT AGGTTTTATT CAGACTNTGT GGCCAGTTNA GAGNAGGGGT N	GTTCCCTTTA TTTTNATGAA	TCAAACCCTT TGTCCAAATC	CAATGGGCAC TGTGTTTCCC	AAAATTGAGT CCTGCCATCC	180 240
50	SEQ ID NO:6153 SEQUENCE LENGTH:270					

5	SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS07312 SEQUENCE DESCRIPTION:						
10	GATCTNNGTG GGTAGCCTCA GACACCTGGA TGACATTTCA GGTGGGCAGG CGGGGAGAGC CTAGGGCATC CAGCCAACAA	GTACCCGCTG AGCTTTCCTT AGCTNCAGCA	GCAGCTCCTC CCCTGGNGAG	CCACTCATCC AACCGTCTTT	AGAGACGGCC ACCTCAGCTC	120 180 240	
15	GAAGTAAANN GACTGTAGAC SEQ ID NO:6154 SEQUENCE LENGTH:40					270	
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07313 SEQUENCE DESCRIPTION:	acid			-		
20	GATCAAATTC TAAAATAAAG	TTGCCTGTTG	TGACTTTAAA			40	
25	SEQ ID NO:6155 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07315 SEQUENCE DESCRIPTION:		·				
30	GATCTATACT TAACATATTT ACTGAAGGNT TTCACATTCC TAGAGANCAN						
35	SEQ ID NO:6156 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07316 SEQUENCE DESCRIPTION:	acid					
40	GATCATATCA CTCAATGTGG ACTTTTNAAA AATCCGAAGT GTTTACATAA CATTCTGTAT	GATAATAAGA	NTGTTTTTAC	ATTGAAAGTA	ATACTTAAGT		
45	SEQ ID NO:6157 SEQUENCE LENGTH:248 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07317	acid .					
50	SEQUENCE DESCRIPTION:	TTTCCTTTTT	AATTTCATTA	TTTTGGGTTT	TTGGTTTTTG	60	

5	CAGTCCTATT TATCTGCAGT CGTATTAAGT CCTATTGCTA GAATAGGTTA CTNNANGAAA 120 GATTATATTC TGAAAGAAAA ATAACTGACA TTATATATAA CCAATTAATT TAANGTATTG 180 CCATTTAAAT TACACACTGN GAGCATGTCC TATGCAGACA ATAGATTTTN CCTGTNCAAN 240 NNNTTNTN	
10	SEQ ID NO:6158 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07318 SEQUENCE DESCRIPTION:	
15	GATCCAGCAG CGCAGGCAGG AGCTGGAGCA GTCGCTGGTT GTNCGCAACA CCTAGGAGCC 60 CAAAAATAAG CAGCACGACG GAACTTTCAG CCGTGTCCCG GGCCCCAGCA TTTTNCCCCG 120 GGCTCCAGCA TCACTCCTCT GCCACCTTGG GGTGTGGGGC TGGATTAAAA GTCATTCATC 180 TGACAAA	
20	SEQ ID NO:6159 SEQUENCE LENGTH:21 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE: HUMGS07319 SEQUENCE DESCRIPTION: GATCATAAAT CCCTGTCTAA A 21	
30	SEQ ID NO:6160 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07320	
35	SEQUENCE DESCRIPTION: GATCAAACGT GCTTAAGAGC TAACTCGTGA CACTATGCAG TATTGTTTGA AGACCTGTTG 60 TTCAACCTCT GTCTCTTTAT GTTAACTGGA TTTCTGCATT AAATGACTGC CCCCTTGTTA 120 AA 122	
40	SEQ ID NO:6161 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07321	
45	SEQUENCE DESCRIPTION: GATCTCTGAC TCATTGTGGC ATATGAGGTG TAAAATNTTG TCAAAAAAGA ATCTGGTGTT 60 TAAACCAAAA TCACACTATG GTGGCATTAA ACCGTTCACT TTTAŢTCTAA ACNNNANCCA 120 NCGCN 125	
50	SEQ ID NO:6162	

5	SEQUENCE LENGTH: 41 SEQUENCE TYPE:nucleic acid TOPOLOGY: linear CLONE: HUMGS07322 SEQUENCE DESCRIPTION: GATCTGTCCA CGACATGGAA AATAAACTGG ATTTTCAGAA A 4.	1
10	SEQ ID NO:6163 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07323	•
15	SEQUENCE DESCRIPTION: GATCCTATAC GTGAAGGAAC ATATTTAATT TCCTCNCTTT ATATTTCCTG GTTAAAATAT 60 CGTCATTATA GTTAGCAATT TGGAATCTGG CTTACATTGG TTGATACAAA TAANTAATAG 120 ANTANNGCAA NATCAGN 13	0
20	SEQ ID NO:6164 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07324	
25	SEQUENCE DESCRIPTION: GATCTTTTTT CTATGCGTAA TCAGACATAC ATATATACTG CAGTGTATCT CACGTATTAA 60	0
30	SEQ ID NO:6165 SEQUENCE LENGTH:274 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE:HUNGS07325 SEQUENCE DESCRIPTION: GATCTCTGTA TTTGTNTTC AACTAACAAC TAATTTNAAA TGTATTGTAT CTTTAATNAC 6 CTGTNCTCTT AGATTGTNTT TTGCTAGTAA CCCTTACTCA GCTTCTGCCT TTGGGGCTTG 12 GACTAATATT GCTTGTATGG AACTACAGTA CTGTGACTAA ACATGGAGCT CAATGCAGCT 18	0
40	ACTGCTTACA ACTGCTTAAA CTTTGTAGTG TGGACTTCAT TTTTTTCTGT AATAACANCT 24 TATTAAATCC TNGGTGGTAT GGCGGTCCTG GAAA 27	0
45	SEQ ID NO:6166 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07326 SEQUENCE DESCRIPTION:	
50	GATCATGTTC AGAAAGGGAC TCATTTGGTC CCACTTTGTA ACATGGGAAG AGTAGAAGAG 6	0

	AAAATTAAAT GTGGAAATCA	TAAATGCTTT	TCTAACAGGG	TTATGCTATT	CTGTAACACT	120
	AAATGTCTGT CTTTTCTCTT	AAAAGATTAA	GTTTTATTAA	TTTTGTCATA	CATTTCTCTA	180
	TTTGANTATA TCTTAACCAT	TTTATGTTCC	AAATTCGTTT	TTTGTCCAAG	ACATTCTATC	240
5	AGANTTTTNC TTGCCTCTAT	AAATCTGAAA	ANTGGGTTCT	AGAATGTCCC	ACTTGCTGTC	300
	TCTNAGAGTN					310
•	SEQ ID NO:6167					
	SEQUENCE LENGTH: 307			_		
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS07327					
	SEQUENCE DESCRIPTION:					
15	GATCCGCCCA CCTCAGCCTC	CCAAAGNGCT	GGGATNACAG	GCATGAGCCA	CTGCACCTGG	60
	CCTTAACCCC TCTTTAGATT	GGAAAAAATA	NTTACAACTT	TAAAAATAGC	TTAGTGTTGA	120
	ACCCTTTGGT AAACTAAAGA	CCCTTTTATA	ATGCACATAT	TCCCAACANG	GTTAATATAT	180
	TTNGTGAGAT TAAACAAGGC	TTGTATATGC	TTGACCTTTC	TTAANNTATG	TCCATGTCAT	240
	ACTATTATGA NTGTACATTT	TTATGAGTCA	TNANTATTNT	TTTCAAAANG	CGCTNCAGGC	300
20	CCNTGAN					307
	SEQ ID NO:6168					
	SEQUENCE LENGTH: 74					
25	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07328				•	
	SEQUENCE DESCRIPTION:					
	GATCAGAAAA TGTGTGACCT	TTTTAAAGTT	AAATTGTTAA	AAAATTTTAA	CTATTAANCA	60
30	TTTTAAATAT TAAA					74
	SEQ ID NO:6169					
	SEQUENCE LENGTH: 71					
35	SEQUENCE TYPE: nucleic	acid				
55	TOPOLOGY:linear					
	CLONE: HUNGS07329					
	SEQUENCE DESCRIPTION:			•		
	GATCTCAGAT GCTAGAAATA	GTAGACAAAG	ATGTTATTTC	CCAGTGCAAA	TAAAGAAATA	60
40	AAGATAGCAA A					71
	SEQ ID NO:6170					
	SEQUENCE LENGTH: 306		•			
45	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear		•	•		
	CLONE: HUNGS07330			. •		
	SEQUENCE DESCRIPTION:					
	GATCTCAATG TGCAAACTCC					
50	GTGTGGTTTC ATCAGGAAAT	CCTTGCAGCA	GGGGTTTAGA	TGGTTCCTTC	AGGAGGTGGG	120

5	NAGCCTCCAT AGCATTGAAG GCCAGCCTGC ATCTCGCGGT GTGTGTCCAC TTCTCCNCTC ACTTTCCCCT CACCCATCCC TTTAAAGTGA TTGGCTGTNA GGNGCACAGA GGGTGGCAAT TCCATCTGTN ATGGGNTCAG AAGGCATTNG CCGCCATTNT TGATTTNACA TTAAAACTGA TGNAAN	240
10	SEQ ID NO:6171 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07331 SEQUENCE DESCRIPTION:	
15	GATCTGTCTG TTGTTGGAAT TGAGATATTA AAATCCCCTA CTATTATAGC GTTCCTCCAG	60 65
. 20	SEQ ID NO:6172 SEQUENCE LENGTH:33 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS07332 SEQUENCE DESCRIPTION:	
25	GATCTTCCAG CACCAAATTT AGATGGCCTC AAA	33
30	SEQ ID NO:6173 SEQUENCE LENGTH:218 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07333 SEQUENCE DESCRIPTION:	
35	TAATTTGGGG ATTTCTGTCC CTTATAATGT CTACCTCATT TTGGATGGAA TCCTTGAGGC 1 CTGGTTTATT TTCCTTTNCC TTNCTACACA TCGCTGCTCA GAGTGATGAA TGGAGTTGTG 1	60 20 80 18
40	SEQ ID NO:6174 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07334 SEQUENCE DESCRIPTION:	
45	GATCATGTTT TAACTAACTT CATTTTGTTG CTGAATCATA ATNNATGCTC TAATGACCTT TTCTTTCCTA TCCCAACCCT GTGTAATCTG CTCTATTTAG GGCTAATTGT TCCTTGTCTT 1: GTATGTATGT AATGTGTCCT NGTNTTCTTC CTCCTATTTN NTNCTCATAA AACTCCATCC 1:	60 20 80 86
50	SPO ID NO-6175	•

5	SEQUENCE LENGTH: 152 SEQUENCE TYPE: nucleic TOPOLOGY: linear	acid				
3	CLONE: HUMGS07335 SEQUENCE DESCRIPTION:					
	GATCCATTCA ACTTGTGTGT	ATCAGTAGTT	AATTNCTTTG	TATTGGTCAG	CATTCCATTA	60
	TTTGGAATTT ATACAGTATG			AGGACATTGT	TTCCAATGCT	
10	TATTACTAAT AAAGCTGTTA	TGAACATTCA	AA	•		152
	SEQ ID NO:6176					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear CLONE:HUMGS07336					
	SEQUENCE DESCRIPTION:					
	GATCTGTATT TAATGAGGAG	GAGCCGAGGC	CCCAGCTTCA	TCCAGCTTCA	ACCAATGCCT	60
20	GGACCTGTCC ACCTGANAGG					
20	CCACAGTCCT GGCACTGCCC					
	TGCCCACTCA CCCCTNAGAC	TCCTNCTGNC	CATGCTGTGG	NCGGACTTGT	AAGCAN	236
	SEQ ID NO:6177					
25	SEQUENCE LENGTH: 148					
	SEQUENCE TYPE:nucleic	acid			•	
	TOPOLOGY:linear CLONE:HUMGS07337					
	SEQUENCE DESCRIPTION:					
30	GATCATGCCT GTGTTTACCC	TCTAAGCTGA	AGCTGCTCAT	CAACGGTGAG	ATGGCAAAAA	60
	GGTGGGTCCA GAAGAGGGGA	AAAGAAGGGA	GTCTGTGAAA	ACAAAATGCT	GAAGANTCTG	120
	CATCAAATAA ACCCTTCCTT	CCTTCAAA				148
35	SEQ ID NO:6178					
	SEQUENCE LENGTH: 155					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS07338 SEQUENCE DESCRIPTION:					
	GATCTCCTTA TTGACCACAG	ATTATTCCTC	TGTTCAGCAC	TCCTTATTCT	TATCCCTGTT	60
	ACAATTCTTA TTATGGTGCA					
	AAAATATTGT CTAGAGGTCT	CAGTCATTCT	TCAAA			155
45	SEQ ID NO:6179					
	SEQUENCE LENGTH: 198					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS07339					

	SEQUENCE DESCRIPTION:					
	GATCATCTAG ACATAATTNC					
	TCATTATCAG ATTTATTACA	CAACGNCTTT	TTNGTTTTNA	CTCTATTTCT	GAGGAAAAAG	120
5	CCTTCCCGAA ATCCGTAATG	ANTTTNTCCA	TGGTAACCCC	TCTCCTGTTT	TNACACAGNA	180
	AAGTTTCTCT NGACTGTN					198
	SEQ ID NO:6180					
	SEQUENCE LENGTH: 188					
10	SEQUENCE TYPE: nucleic	aaid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS07340					
	SEQUENCE DESCRIPTION:			1.C.1.C.C.1.TT.C.T	NOCCCCLACC	60
15	GATCGCTGGT TTCCTCTGCA					
	CATTCCTGCC GCGCTCCCNG					
	TATCCGTGCC CACGTAGATG	ATGTCTGTAA	CGNAGTTTTG	TTTGAAATAT	GAGNATATGC	
	GGCTTAAA					188
20						
20	SEQ ID NO:6181		•			
	SEQUENCE LENGTH: 135					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS07341					
	SEQUENCE DESCRIPTION:					
	GATCAGTTTA TTATTGATAC	ATCACTCCAT	TAATGTAAAG	TCATAGGTCA	TTATTGCATA	60
	TCAGTAATCT CTTGGACTTT	GTTAAATATT	TTNCTGTGGT	AATATAGNGA	AGAATTAAAG	120
	CAAGAANNTC TGAAA					135
30						
	SEQ ID NO:6182					
	SEQUENCE LENGTH: 226					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS07342			•		
	SEQUENCE DESCRIPTION:					
	GATCAGTTTT CCNAGTCTTT	GGGAAACGGG	TTGTGTTTT	THECETTTEE	CGTGTTGGAT	60
	TTCCGGTCCC GGCTGACACC					
40	TCGGTGCCCT GTGTCCGTTC					
40	NAAAAANTTT TTAAATACCA				MUMUM	226
	MAAAAMIII IIAAAIACCA	CAAAGAIGGN	ANAAAANUAC	ДАЛАНИ		LLU
	SEQ ID NO:6183					
	SEQUENCE LENGTH: 97					
45	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	ac Lu			•	,
	CLONE: HUNGS07343					
	SEQUENCE DESCRIPTION:	01180500:5	0000 T 0000+	<i><u> </u></i>	ተ ቀርቀር ለለተረሰ	ęΛ

	CGACTCCCTA ATAAACCCCG TGAACCTTGG AGCCAAA	97
5	SEQ ID NO:6184 SEQUENCE LENGTH:321 SEQUENCE TYPE:nucleic acid	
10	TOPOLOGY:linear CLONE:HUMGSO7344 SEQUENCE DESCRIPTION:	
10	GATCACCTTN AGTNCTNAGC AGGGACTAGG CTTGCAGGTA ANATAATGGG CC CAGTCCAGAA GGAGCAATGG CACCTGGGCA GTGCCAGGCC TTAAAGCCCG CT NCGGTAGAGG AGAGGCCCAT CACTGGTGTG GTGGGGTGGG	TGCTCCTTT 120
15	AGGCAGCCAC CTGCCCTTNC TCTCCCTTAG TGTTCCCTGG CCTCCCTGCC AT TGGGAGTGGA GATGGAGGGA TTATTGAGCA GAAAATNAGT TGGATGGAGN TACCATCCCTGG GTAATGGATT N	
20	SEQ ID NO:6185 SEQUENCE LENGTH:292 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUNGSO7345 SEQUENCE DESCRIPTION:	
25	GATCAGCTTG GAAGCTTAAA GTCCAATCCT TACTTCGAGT TTGTTTTGAA AG GAATATNATG TTCAGGGACA AATATAACTT TTNCTAAAAA TGGCCATTGT TT TGTATAAGTG TGTCCTTATA CAAATTTNAG GCCATAAACA AGTGTAAGTT TG CATAACATGT ATAGCTGAGT TTTTATACTT TATATGTAGG AAGCTAATAT AA	TATGAAATC 120 STACAATTT 180
30	TGTAACTGTG ATTTTGGTTT TCAGTTATGT GACTTGTTTT TNCCACCNGA AA	292
35	SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07346	
40 .	SEQUENCE DESCRIPTION: GATCCATAAC AGAGATNCAN AGAGGCACCG TGGAGTTCCA GGGTCATCGG TC ACAAGGAGGG AAAGGTGTCT TCCTGCCCCT TGATGCTCAA CTAAGCATCT GT AATACATGTG TCCAGGNNGN NTCCATGGGC TTTNN	
45	SEQ ID NO:6187 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE:HUMGS07348 SEQUENCE DESCRIPTION: GATCTTNAGT IGTTTTAATT TTTTTTTTCT GCATCTGAAT CTGCATGATT TC	CAAACCCT 60
50	GTACCATCTG AATTITGCAT ITNAGCACTT GCACTATTAC TCAGCAGCAG TA	ACATGGTA 120

		ACACTTAAAA	TGGTACTCGG	GGACCTCCAA	AGACTAAACT	GNCANGCCTT	CAAGGNGCCC	180
		AGGGGTACGT	TANCTTGTCA	ACGGCATGGT	TTAATCCCTT	CTTTACACTT	GTGTAAATTT	240
		CAGTTACTGG	TCATAGNNGG	CTTTCAATGT	TGCGTGGCCT	NTTATTANCN	TGTTTATGGG	300
	5	N						301
		SEQ ID NO:6						
		SEQUENCE LE						
;	10	SEQUENCE TY		acid			•	
		TOPOLOGY: li					•	
		CLONE: HUMGS					•	
		SEQUENCE DE					mammama	
		GATCTTTATC						
i	15	TATACTCCTG						
		TNCAGTTTAT			CAACCCTTTT	NATATATETG	TNTNGTATAT	
		GATTATNGTN	ACTTAATTNT	NAN		• •		203
		OPO IN NO.C	100			,		
2	20	SEQ ID NO:6						
		SEQUENCE LE						
	-	SEQUENCE TY TOPOLOGY: li		acid				
		CLONE: HUMGS		•	•			
	ne.	SEQUENCE DE	•					•
•	25	GATCAAAGCA		TGGGATGTGA	ACTCCCTTCT	NACGCGGGGC	CCCACAGACC	60
		TGTCTCCGCG						
		GGCTTGGAGA						
		GCACCAGGCT						
;	30	GCGGGTGAGG						
		TGCAGCAGCA		AIAOOAGIGI	0101101101	11000111 01100		316
		TOCKOCKOCK	Idonut					
		SEQ ID NO:6	190					
	35	SEQUENCE LE						
•		SEQUENCE TY		acid				
		TOPOLOGY: li	near					
		CLONE: HUMGS	07351					
		SEQUENCE DE	SCRIPTION:					
4	10	GATCCCCAGN	ACTGCAGCCG	AGCCCCGGGC	TTCCTTTCTT	ACCATTCTGT	ATGCTTCCAA	60
		GGTGTGACCA	TTCAAACTAA	CNNTATTATT	AAGATTATTA	ATAAAGATTT	CTTTCTTCAA	120
		ACCAGGAAA						129
	1 5	SEQ ID NO:6	191					
		SEQUENCE LE	NGTH: 293					
		SEQUENCE TY	PE:nucleic	acid				
		TOPOLOGY: 1 i	near					
		CLONE: HUMGS	07352					
	50	SPOHENCE DE	SCRIPTION -					

	GATCAGAATC AGAAAACAGG	TAAACCTCAC	TCACACATTT	GGACTCATTT	GAACAAAAAT	60
	CTAGGCCAAA ATACTGAAAA	GCCTATGTGT	TTTTTTTAATT	GGAAGTATAT	GTAAGGTTAA	120
	TGCATTTAGT GAACGTGACT	AACAAAGACT	AATGTGCACA	TTAACAGNTG	TNCTTTTTAA	180
5	GGTTTTATGG GAGGCTGTGC	ATTGCTCAAA	AGCTGTTGGG	AACGCCTTCT	GACCAGTTGC	240
	CTTCAGAACT AGTTTGNGCT	GCTCANTNAA	AANCCAGTGN	NTTTACTONN	GGN	293
	SEQ ID NO:6192					
	SEQUENCE LENGTH: 52					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07353					
	SEQUENCE DESCRIPTION:					
15	GATCTGCATG TGTGACACTG	ATTCTTTGGA	AATAAAGAGT	GGAAGCTGCA	AA .	52
	SEQ ID NO:6193		•	•		
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS07354				•	
	SEQUENCE DESCRIPTION:					
	GATCTAAATT TTAAAAATAG	GAATGAATCT	NTTAATTGCA	GCTTGTGGAG	AGTATAAAAC	60
25	ATTTTGAGCA CAATATGCAG	CACATAACTT	TTCAGATTGT	GTTTGCATAG	AAAAGGTTAA	120
	AATCAATTCT TTCAGTTACT	GTATTGTTCA	TTTCTTGTAA	AGGTCTTCCT	ACATTTGAGA	180
	CGAGACCCTT TAACATAGGC	TGCCTTAGTA	ACAAAATAAA	ACAGATGTGT	CATAAA	236
	SEQ ID NO:6194			•		٠
30	SEQUENCE LENGTH: 282					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07355					
35	SEQUENCE DESCRIPTION:					
	GATCTAGAGG GNGGATTTCC					60
	CTGATGGCAG GATGGCCTGG					
	TAAGACGACA AGGAAAGGCA					
	GTTCCCCATG CAGACATGAG				ACTCATCCCT	
40	AATGCTGCAG ATTTGGGCTG	GAACAGATTC	ACACTGTCTG	TN		282
	OPO ID NO. CLOS					
	SEQ ID NO:6195					
	SEQUENCE LENGTH: 158					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS07356					-
	SEQUENCE DESCRIPTION:				** ***	
50	GATCTTCATC TCTTGTTTGC					
50	GAGCCCAAAA TGAGATATAT	TINTAATTAC	TGTAGATTAC	AIGTTGTTTG	GUTUUGAATA	120

	CAATACAATA AACTTTATTT	TGCATAATGC	ATTTCAAA			158
	OLDITACIDITA MICITIALITA	100/11/20140	ATTIOND			200
	SEQ ID NO:6196					
5	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07357					
10	SEQUENCE DESCRIPTION:					
70	GATCTGGATT ACTATGTAAA	TTCACAGNAG	TACCGCTAAT	ATAATTTTTG	TTGCNTGTAT	60
	TANCATCATC TGGTCTGNAA	ATGTGGGTTT	TTATTTGGCA	CATTTANATA	AAN	113
	SEQ ID NO:6197					
15	SEQUENCE LENGTH: 323					
75	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS07358					
	SEQUENCE DESCRIPTION:					
20	GATCTGGAGC CACAGTCTGT	NTATCTTCCA	GTTCATCTCA	GTCCTCGAGA	AAGGCCCTNT	60
	AAATATGTAA CTTTCCCATT	TNCCTTTAAC	CATGGGTTGT	GTGAGCCAGA	AAGAGCTTTG	120
	AGAAAGATGG CTGCTTCCAC	CAGGGNGGAG	GCTTCTNGGT	CTGCATGATG	ATGGGGCCCG	180
	TTTCTGGCCA NAGGGTGGCT	CTGGGAGCAG	TTGTNCTGCG	GGCTTGCTGG	GGGCGAACTC	240
25	TAACTGTTGC AGAAACAGNG		TGCTNNGGGT	ACTTAGCTGG	AATATTTAA	300
	AGTGTCAGNT AAATGTGATN	TNN				323
	SEQ ID NO:6198					
	SEQUENCE LENGTH:50					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS07359					
	SEQUENCE DESCRIPTION:					
35	GATCTGTATG TACTTTTAGT	TGTATTAATA	AAGTGACAGT	GAGTGTCAAA		50
	SEQ ID NO:6199					
	SEQUENCE LENGTH: 149		•			
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear	0014				
	CLONE: HUNGS07360			•		
	SEQUENCE DESCRIPTION:					
	GATCACCCAG TCTTAAGGTT	TCAAAAACTC	TTTGACATTA	GATTTCACAA	CTGCACAATT	60
45	GANCTTATTG GCCTGTAACT	TATTTNCTAA	ATGCTCAGTG	CTATTTATAT	ACTACAGTAN	120
45	TTNCCTGTTA AGNNGGCAGT	TGTAAAGNN				149
	SEQ ID NO:6200					
	SEQUENCE LENGTH: 329					
50	SEQUENCE TYPE: nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS07361 SEQUENCE DESCRIPTION: GATCGGACTG GAACTGTTCG AATTAAGAAT GAAGAGGGCC CTCCATGTGG AAAACTTAAA AGTTTCTNCA TGTTTATTTN	ATTTGCATCT ATTGTTAAGT	CCTTAAATTA TGTGCATTAC	TTCAGTTACC TGTATTTNAN	TGCTTTATTG CTTGTTGCTT	120 180
10	ACAATGINCT GCATAAGGIT GCCTGGGTTC AGTNITNATT	ACCTGTGTAC				
15	SEQ ID NO:6201 SEQUENCE LENGTH:150 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07362 SEQUENCE DESCRIPTION:	acid	·	-		
20	GATCTAGGAT GTGGNTGTGG TGTGTTGGAT TTAACATAGA TTTGANTTAA CAAATATTGN	TGAAGACGCA				
25	SEQ ID NO:6202 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07363	acid				
30	SEQUENCE DESCRIPTION: GATCCAGGCG CCTGGGCAGA GGATTGAAAT NAACCAACTG TTAAAATGCT TTCAGTGGNA	CCGGCTGAGC				
35	SEQ ID NO:6203 SEQUENCE LENGTH:294 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07364	acid				
40	SEQUENCE DESCRIPTION: GATCTATAAA ATTTCAGTTT GTCTATAAAG AAGNAAGTTG	TATGAGGTAA	TGAGAAGGCT	GTGTATCCTG	ATGTTGTCGA	120
45	GGAGTGTTCT CTATACCTTC TTTCCTTACT AATATNCTCT TATAATTGIN TTGCNCTCTT	CTTGTNTTAT	TACAGAAAGT	GGNGTATTGC	AATATCCTAC	
	SEQ ID NO:6204 SEQUENCE LENGTH:306					
50	SEQUENCE TYPE: nucleic	acid		•		

5	TOPOLOGY:linear CLONE:HUMGSO7365 SEQUENCE DESCRIPTION: GATCCCAGCC CGGCCTTTGT CGCGAAAGGC GGGACTTGGA ACCTGGGACA TGACTGCCCC CAACATCCTG CTTTCATGNG TGAGTTGGTC ACGACCNTNA TGGTTN	GGTTCTGGAT CAGCATTCCT AACAGTTTGC	GTTCCTGTGG TCTGGCGGCA TGTTTGCTNA	ATAACCTCAA GACAGNGTTT CAGAGCCTCC	GGAGCACGGN GTNAGTTCGC AGTNGTATAC	120 180 240
15	SEQ ID NO:6205 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07366	acid				
20	SEQUENCE DESCRIPTION: GATCTTCAGT AAATATTTTG TGTCCAAACC AGACTAAGAA GCNCCATTAT ANCTGANATT	ACTGCATAGG				
25	SEQ ID NO:6206 SEQUENCE LENGTH:298 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS07367 SEQUENCE DESCRIPTION: GATCTCACTG CCCAGGCTGG TCCCCAAGCG CTGAGATATA TATCCTTTTA CCTGCTTGCC	GACCTGAGCC	ACAGCGCCTT	GCCAGTTGTT	TTATGTTCTT	120
35	AGTAAATGTG AACCATAGCA CNATATTNCT ACGGTATTTG	ATAAATTTAG	TCTATCCCCA	GAACCTTCAG	TAGCAAGGAC	
40	SEQ ID NO:6207 SEQUENCE LENGTH:28 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07368 SEQUENCE DESCRIPTION: GATCATTAAA GATAAACATA					28
45	SEQ ID NO:6208 SEQUENCE LENGTH:205 SEQUENCE TYPE:nucleic					
50	TOPOLOGY:linear CLONE:HUMGS07369					

	SEQUENCE DESCRIPTION:	
	GATCCTGTTG GCAANGGGAA TGTAGAGCTT CCAGGGTGCA TTGCCCACTG TTCTCATTGC	60
	ATCCCAGTCC TCCAAGTCAG TCTAGCCTTA CTGTACACTT GACAAGTGCT TACTCAGCAA	
5	GTCCCAGACC CACGNCCTNT TATCTCCNAA GACTGGNTTT GGCCATGNCC TTCCTCATCA	
	COCCE PAGE ALVELOR OF CARE	205
	CEO ID NO COOO	
	SEQ ID NO:6209 SEQUENCE LENGTH:302	
10	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS07370	
	SEQUENCE DESCRIPTION:	
15	GATCCATTTA ATATGTTATC CCCACTAATT AATTTTCGTA TATNATTTCC AATATTTGGA	60
	AAGCTCTTTA TAGCCATTTG GTATTTCCTA TTACCCACCT CCTATTTTAA ATATTTATCA 1	
	GTCTAAACTT GTGCAGTGTA GTAAACATGC AAGTTGTTAT GCTTGAGCTG TATTACCATA 1	
	AGTNGCNTTT TANGTAAACT GGTGNNTTTG GGCCATAGAT GTTTTTGCTT TTTGTTTGAT 2	
20	TTINTNTTNC AGGCTAACTG TINGNGGTAT ACATNTATTT NICTGTTGTA CAGATTTGAA 3	
20	100	302
	•	
	SEQ ID NO:6210	
	SEQUENCE LENGTH: 301	
25	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	•
	CLONE: HUNGS07371	
	SEQUENCE DESCRIPTION:	
30	GATCCCCCAC ACCAGCGCCC AAGAAAGGAC CAGCGTTGCA CAGCCCGGTA GAAAGGGTTT	60
00	ATTTATGCGC AACGGTTCAC ACAAGCCTTC CTGAAATTCC ACTTTACAGT AAATAAAGCT 1	20
	GTGCGTTTCC CCTTCCCATG CACAACTGCG TATCAATCTA CAACTGTCAT TTAACTGTGA 1	
	AAAAATAGNG CGTCTCCCCT TTTGTCATCG TTCTGGTAAC ATTTGGCGTA GCATCTGACA 2	
	GCACGGAGNT GCTCACTCCT GGACCGGTTA TTTGGTTAAA ACCCAAAATG TTAGGTCGGA 3	00
35	N	01
	050 TD V0 0014	
	SEQ ID NO:6211	
	SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid	
40		
	TOPOLOGY: 1 i near CLONE: HUNGS07372	
	SEQUENCE DESCRIPTION:	
		60
45		60 11
73	direction of the control of t	11
	SEQ ID NO:6212	
	SEQUENCE LENGTH: 206	
	SEQUENCE TYPE: nucleic acid	
50	TOPOLOGY: linear	

	CLONE: HUMGS07373 SEQUENCE DESCRIPTION: GATCCTGGAA ATNAGATGGG	CCTTACTCTG	TEGACTAAAT	GAATAGCTAT	TTTCTTGTCA	60
5	TTTTTTAAAG TGCAACTCTT					
	AAGTAATCAC AGNCATTTTA					
	CAAAAATTA TCTTTTAGCT	TTTAAA		•		206
10	SEQ ID NO:6213					
	SEQUENCE LENGTH: 101 SEQUENCE TYPE: nucleic	ani d				
	TOPOLOGY: linear	actu				
	CLONE: HUMGS07374					
15	SEQUENCE DESCRIPTION:					
75	GATCTAGCCT GCCCTGCCTG	CCTGCCCTGG	GCGATGAGGT	ACGGTGGGGA	AGGTGCCTAT	60
	TTTAGAGAAC TTTGTCACAG					101

	SEQ ID NO:6214					
20	SEQUENCE LENGTH: 252					
	SEQUENCE TYPE:nucleic	acid				•
	TOPOLOGY: linear					
	CLONE: HUMGS07375			•		
25	SEQUENCE DESCRIPTION:					
	GATCTAGAAT GTAACTAAAT					
	TGGGGATTGT NTCGTTTTTC					
	TTGAGTTACT GNTACAGNTT					
30	CCCTCCATGA TTTTCCTATG	TGCTTCCTCT	GGCATTCACT	GNGGTTTTGG	TAAANTAANT	
30	TGCCNNTTAA NN				•	252
	SEQ ID NO:6215					
	SEQUENCE LENGTH: 257					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07376					
	SEQUENCE DESCRIPTION:	•				
	GATCAGGAGT ACCTCCCTCA	AGAGTCGAGG	GNGGTAGATT	TCTACACGCA	GAGGAGGTGC	60
40	TGACTCCTCA GGGCACGCCA					
	AGTTAGTGGA TTGCAAAGTT					
	CATAACTTTA NGAGTTCCAT	AGGTGGCGGC	GCAGTTCTTN	CGNATCAATG	TNTAACTTTG	
	NGGGGGGTGT TCATTTN					257
45	SEQ ID NO:6216					
	SEQUENCE LENGTH: 189					
	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY: linear					
50	CLAND . HINCOA7277					

	SEQUENCE DESCRIPTION:					
	GATCAGACAT AAACTTAGCA	TCTTAATGGA	AGAAAAATGA	GGGGAACTTC	AATTATGATT	60
	TATTAAAGAC AATTTCTATT	ACACCCTCCT	TTATGACAAG	TGACATTTTA	GATGTAAAAG	120
5	TAAAANCTTT ACCATGCCTT	TTTTTTTTT	NGTGGGCCTA	CCTTNGGGGC	NTNAANCCCN	180
	GGGGNNCCN					189
	SEQ ID NO:6217					
10	SEQUENCE LENGTH: 272		•			
70	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear		•	•		
	CLONE: HUMGS07378	•				
	SEQUENCE DESCRIPTION:					·
15	GATCTCGCAA TGTCTGCCTT	AATATTTCAC	AATTAAACCT	TTCATATTTA	TTATAATTTG	60
	GTAATATTCA TTAATTTTCC	TGTCTTTTTA	AAGTCTTGAT	AGATTTGTCA	AAGTATATGT	120
	NCTTTTCCCT ATGCTGGTTT	AGAAGTNCGA	NATATCACTT	CTAATAGTAA	TTATGCTCAA	180
	NTAGGTACAC ATATACATAC	ATNTTTCTCT	CNCNCTTTAT	ATACTTNTGT	GCAATTGGCA	240
20	CTTTTGACGT ATGTCATANN	NNTGTCATNC	CN			272
20						
	SEQ ID NO:6218					
	SEQUENCE LENGTH: 74					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS07379					
	SEQUENCE DESCRIPTION:					
	GATCCTCGGC CTCCCCAAGT	GCTGGGATTA	TAGGCATGAG	CCACCGTGCC	CAGNCTAATT	60
	TCTAATTAAT TAAA					74
30						
	SEQ ID NO:6219					
	SEQUENCE LENGTH: 303					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS07380					
	SEQUENCE DESCRIPTION:					
	GATCTCGTCT GCTCACCTTA	GCTTTCTGCC	TTGGCAGCAC	GGGCTGCGGA	AGAAAGCACG	60
	CTGGGCCAGG AGGCAGGGGT	GCCCAAGCCA	CAGGGAGCCC	CTGGGGAAGC	CTGCTCCATT	120
40	CTTCTGGTGA CCTTGGCGCT					
	CAGCTTCCAC ACCNNCACCT	CCCAGTCTCT	AGNCTATCCA	TCTGTCTGTG	TATGGCCTGG	240
	AGTCACTNCT TCCTCANGCC	CCCAGGGNAA	NGTGTGCTCA	AAATAAAAAC	CAGNGGNCTG	300
	AAA					303
45						
	SEQ ID NO:6220					
	SEQUENCE LENGTH: 205					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CIANS - WINCCA7201					

5	SEQUENCE DESCRIPTION: GATCCCCTTT CCCACATCCG TGCCTGGGGG GAGGGGAGGA CTGTTGCTCC NNNCTTTGTA AANGAAAAAG GCCTTGTACA	GCACCCCCTC TGATGCAAAT	AGCCCCCCTG	AACCTGACCA	AAAGCCATGG	120
10	SEQ ID NO:6221 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07382	acid				
15	SEQUENCE DESCRIPTION: GATCATAAAA ATGAAGGAAA ACCACCACAC ATAANCAAGT					60 110
20	SEQ ID NO:6222 SEQUENCE LENGTH:248 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07383	acid				
25	SEQUENCE DESCRIPTION: GATCGCATCT CATTGTTAAC ACATAAAATA GTTACGCTAT AAAAATTTAT GGCTAGTGAT TNATTATNGN CGGGNGGCTA ATCTNTNN	TTGGTTAATG ATATATAANG	GTACTAGACA TAAAATTTTC	ACATGTAATT TTTGCAGTAA	AATGACATTC AATATGCCCT TCCNAATCAT	120 180
30	SEQ ID NO:6223 SEQUENCE LENGTH:145					
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07384 SEQUENCE DESCRIPTION:	acid.				
40	GATCCCTTTA CACTCTTCAA TCTATTGATA TTTTCTGTTA TTTTNCAAAA CAANANATGA	GAATTTAAAA				
45	SEQ ID NO:6224 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07385 SEQUENCE DESCRIPTION:	acid				
50	GATCTGCTTG GTGAAGAGTT AAATNNTATC ATCAAAATTG					

	GCATANCTN		·			129
5	SEQ ID NO:6225 SEQUENCE LENGTH:212 SEQUENCE TYPE:nucleic					
	TOPOLOGY:linear CLONE:HUMGS07386	aciu				
10	SEQUENCE DESCRIPTION: GATCAGAAAA CATTGATTTA	TATTTAAAA	TAGGATATTG	GAGCCATTGT	CTTAGATAAT	60
	TTTCAAGGCA AGANCAAGCC					
	GATGTCTCCT GCCCTANTAT	GACTGTCACT	CAGCAATTTC	AATTTTATGN	NTACTTGATT	180
	TAAANCGGGA GGCTANACTT	GNTCTGAAAN	GN			212
15	GEO. ID NO GOOG				•	
	SEQ ID NO:6226 SEQUENCE LENGTH:235				•	
	SEQUENCE TYPE: nucleic	acid		•		
	TOPOLOGY: linear	0010				
20	CLONE: HUNGS07387					
	SEQUENCE DESCRIPTION:					
	GATCTTACTG AAGATGATGT					
	GGCCTTGCTG TGTGGTGTTT		-			
25	TTNCACATGC TTTTGNAGTA AAATANAACT GATTATCATT	-				235
	AAAIAMAACI WAIIAICAII	CITIATIANC	CCACCINGGC	CITIINNAAN	CCICN	LJJ
	SEQ ID NO:6227					
	SEQUENCE LENGTH: 290					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS07388			•		
	SEQUENCE DESCRIPTION: GATCTCACTC TTNCCCAAGC	TGGAGTGCCG	TGGCAAACTC	ACAGCTCACT	GCAGCCTTGA	60
35	CCTCCTAGGC TCAAGCAATC		-			
	ACACCANCAT GCCCTGTTGA					
	GCCAACCTAG TCTCAAACTC	CTNGGCTCAC	GGCTGTAATC	CCCAGCTCTC	AGGGAGGNTA	240
	AGCGGCGGNN GGNTAGCTTA	AGCCNAGGAN	TNCGAAGNCC	TGNCTTNGGN		290
40	470 ID No 4444					
	SEQ ID NO:6228 SEQUENCE LENGTH:249					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
45	CLONE: HUNGS07389					
	SEQUENCE DESCRIPTION:					
	GATCCATGGG GCCCAGGNCT					60
	GGATGATGTC CTTGCTCCAC					
ćo.	A total of a A C A C T C A A C C C T T T T T T T T T	a a marana a filita a fi	Ali Alidi Ati TTT	CTTW/TTTTA	T'Elisaiiiaa	1 3071

	TCCACGACCT CTAAGGGGTG AGGTATGTN	GCGNGGAAGG	GAGGAGGATG	AGAAGATGNA	GATTAAATAA	240 249
5	SEQ ID NO:6229 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		. ·		
10	CLONE:HUMGS07390 SEQUENCE DESCRIPTION: GATCTATCTC AGGGCTTGTT					
	GAATATGCCT GGCACTTTGT CCNCN	AAGACCTTAA	TANNTGTTAA	CTATCTAANC	ACANAACAAN	120 125
15						
	SEQ ID NO:6230 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGS07391 SEQUENCE DESCRIPTION: GATCCTAGTG CTCCTGTCTG	GTCAGGGCCT	ATCTTTATGT	GTTCGTTAAA	CTTTTAACAA	60
	TGAGNATTAA A					71
25						
	SEQ ID NO:6231 SEQUENCE LENGTH:182 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGS07392 SEQUENCE DESCRIPTION:					
	GATCTGAAAA GTTATTAAGT					
35	GACCTTTTTC ACTACATCAA ATAACTGCAA TACCAGGAAA AA					
	SEQ ID NO:6232 SEQUENCE LENGTH:233					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07393	acid				
	SEQUENCE DESCRIPTION:	CCAACTNACC	CTCACATOTC	ACATCTACCT	CCCGACCTAC	60
45	GATCCAAAAA ACCATTCAGG CACCCCACTG GCTGGTTCCA					
	CCCAGCTCTG ACCCTGATGN					
	TNNGGNNNCA GNTCNATCCT	TGCATCANTG	GGGAGGACGT.	GATGNGTGAG	GAN	233
50	CPA IN NA.COOP	•				

5	SEQUENCE LENGTH:158 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07394	acid				
10	SEQUENCE DESCRIPTION: GATCAGCCTG TGCCACACTT GCTTTCTGGG CTCTGGNCTC AATAANTTAG GNCACAGAAA	CACGGATGCG	TGGGCAGNGG			
15	SEQ ID NO:6234 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07395	acid				
	SEQUENCE DESCRIPTION: GATCTCTTTT CATTTGTCAA	CCTTTTCAGT	AAAGCCCTCT	GTTACATCAA	A	51
20	SEQ ID NO:6235 SEQUENCE LENGTH:280 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear CLONE: HUMGS07396 SEQUENCE DESCRIPTION: GATCAGCGAG AAGGACAAGA	AGAANNTTCT	GGACAAGTGT	CAAGAGGTCA	TCTCGTGGCT	60
30	GGACGCCAAC ACCTTGGCCG GGTGTGTAAC CCCATCATCA CTTCGGGGCT CAGGGTCCCA NTTAGGGGNC TTTGTTCTT	GCGGACTGTA AGGGNGGGTC	CCAGGGTGCC TGGGTCAGNC	GNTGGTCCCG	GGCCTGGCGG	180
35	SEQ ID NO:6236 SEQUENCE LENGTH:199 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS07397 SEQUENCE DESCRIPTION: GATCTAAATA CTGTGTTAAA ACACTTGAAA GTGAGCTCTT CTTTTACTGT CAACGNTTGT ACTATCTATN TTACTNTNN	ACAAGAAACT	AATCAGTGTT	TCGTTATTCC	ATATCAGTGG	120
45	SEQ ID NO:6237 SEQUENCE LENGTH:279 SEQUENCE TYPE:nucleic	acid				-30
50	TOPOLOGY:linear CLONE:HUMGS07398					

	SEQUENCE DESCRIPTION:			•		
	GATCCACCCA CCTCGGCCTC	CCAGAGTGCT	GGAATTACAG	NCGTGAGCAC	CCCCCCTCCC	60
	CAAGNAAAAA TTATTAGAAC					
-	NGCACCAATT TATTAACACA	_		*		
5						
	GCTAGCACTA CGNNAATGTT			AACTGTTAAA	TACTGACAGT	
	GAAATGCACC NATANNGGNN	ACCTGTCATC	ACNGGGNNN			279
10	SEQ ID NO:6238					
	SEQUENCE LENGTH: 21					
	SEQUENCE TYPE:nucleic	acid			•	
",	TOPOLOGY: linear					
	CLONE: HUNGS07399					
15	SEQUENCE DESCRIPTION:					
	GATCCAAAAA CTAACTTCAA	A				21
				• •		
	SEQ ID NO:6239					
	SEQUENCE LENGTH: 174					
20	SEQUENCE TYPE: nucleic	acid		•		
	TOPOLOGY: linear					
	CLONE: HUMGS07400					
	SEQUENCE DESCRIPTION:					
25	GATCCAAGTA CTCTCTCCC					60
	AGTACACAGA ATTAAAGTGG					120
	TATTCTCTGA CACTCTTATT	TGGTCATAAA	ACAATAAATG	GTGTCAATTT	CAAA.	174
	and the No. co.co					
00	SEQ ID NO:6240	•		,		
30	SEQUENCE LENGTH: 294		-			
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					•
	CLONE: HUMGS07401					
35	SEQUENCE DESCRIPTION:					
	GATCTTGAAG AGACCGCTGG					
	GAGGAAACAG TTAATGACCC					
	AAATTCTCCA AAGAGGAGCC	GGTCAGCAGT	GGGCCTGAAG	CGGCGGTTGG	CAAGAGCANC	180
	TCCAAGAAGA TGCAANAGTT	CCATAAAGCA	TCCCNAGGAN	GNTTAAGAAT	GCAAATGGAC	240
40	CATTCTCTTG GNNGGTTNGG	NCATACCCAT	NAGCCCNAGG	TGACATTTCC	CNTN	294
	OTO TR NO COLL					
	SEQ ID NO:6241		•			
	SEQUENCE LENGTH: 295					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS07402					
	SEQUENCE DESCRIPTION:					
	GATCTCGCCC TTACCCCGGG					
50	ACATOTOTTA GATGTCCCAA	アイナアトルのアイルナ	TCCCACATCC	TCATATTTC	A A C C C T A C T T	120

	CCTAAACATC TGTCTGGGGT TGAGCCTCTC TTCCACAAGC					
	TGGGCTNTTG GGNGTGAGGA	TGGAGTNTTA	AGTGCCNACT	NNCNNCTNNN	ACCNN	295
5				•		
	SEQ ID NO:6242					
	SEQUENCE LENGTH: 201					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY: linear					
10	CLONE: HUMGS07403					
	SEQUENCE DESCRIPTION:					
	GATCTAATCC CTTCAAGGAA					60
	AAGGGCCAGC CCCTGGTTCT					
15	TCCAGGCCAG GCCTCATTCC		GGCAGGGTCA	GAGGGNGGAG	GGGCNTGGTC	
	CAGGNATGGG TCCNTTCCAN	N				201
	000 ID NO 0040			•		
	SEQ ID NO:6243					
20	SEQUENCE LENGTH: 26 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS07404					
	SEQUENCE DESCRIPTION:					
	GATCTTGGCA GTTGATAAAA	CGTAAA				26
25	4.101140011 4114111111111111111111111111	Q411221				
	SEQ ID NO:6244					
	SEQUENCE LENGTH: 324	,				
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUNGS07405					
	SEQUENCE DESCRIPTION:					
	GATCGNTGCC TGGTTTGTCT	TCTCTGTGTC	CTGGAGCAAA	GCCAGTTCCT	AAAACTAAAA	60
35	CTCCATTCTA GTCTTGGGAA	GAAAAGTTTC	TACTCAGAAC	TGGGGAAGGA	GTGGAACTTA	120
	TGACTTGGGC CTCTAGGCTG	TCTCTGTCCC	CTCAGCTCCC	CGACATGCAT	TTACTCTCTG	180
	CCGTGGGTCT GCAGTCGCTG	CAACCTACCC	TCTCTCTGCC	TCAGCCTTAC	ACCCAAGCAG	240
	TAGGTCTGTG CTCTCCCTGT		NTGAGAGAGG	TGCTTTTNTT	CATAAAACCT	
	TTGGGGTTTG GGATTTCCCC	AGAN				324
40					•	
	SEQ ID NO:6245					
	SEQUENCE LENGTH: 256					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45						
	CLONE: HUMGS07406 SEQUENCE DESCRIPTION:				•	
	GATCCATTCC GGCGCCTTCC	TCTCCC≜GTC	ACCC A GA GGG	CCCCTTCCC	CCCCCNCCTT	60
	TCTTCCTCAA ATGTCCTCGG					
50	GGAAGATTCC TTCTTTNCCC					

	GTCATGTCAC TGTCTNAGAG TGCTNNTTTC CATNAN	AGGTTTTCCT	GTGNTNGACC	TGTTTTTNAT	CAGGAAGGCT	240 256
5	SEQ ID NO:6246 SEQUENCE LENGTH:37					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07407	acid				
	SEQUENCE DESCRIPTION: GATCATTAAA CCTGGCTTGA	GTCTCTGTTC	TGGCAAA			37
15	SEQ ID NO:6247 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic	:4				•
	TOPOLOGY:linear CLONE:HUMGS07408	acio				
20	SEQUENCE DESCRIPTION: GATCAAGNTT GNTCTTCTGT CAATTAGAGA ACTTAGTATT					
	TGCAAAANCT TTAATTAANG			IIIIIIIII	Initotaoti	152
25	SEQ ID NO:6248 SEQUENCE LENGTH:213 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGS07409 SEQUENCE DESCRIPTION:					
	GATCCTGCAT TAAGAAATTC TACTGACAGT CTCTAATAGT					
35	ACGTTGATGT GTATAANCAT TACAGNTCAC ACCANGINTI			GTCACAGTGT	TTTCNCAAAC	180 213
	SEQ ID NO:6249 SEQUENCE LENGTH:274	.,				
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07410	acid	·			
	SEQUENCE DESCRIPTION: GATCTCCTCT TAAGCGGAAA TESSESSACS TESSAAAGGT					
45	TGGGGGCAGC TGCAAAGCGT CTGTGGGTGG TTTCAGGGCC TGGAGGCTGG GCTGGCTGAT	CACGAGTCAA	CATNAGGAGT	TGTGCTGGTG	GTATGTGTGT	180
	TGNTGATACC TAATAANAGN	CTTTTTTCC	CAAA			274
50	SEQ ID NO:6250					

	SEQUENCE LENGTH: 216					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear		•			
5	CLONE: HUMGS07411					
	SEQUENCE DESCRIPTION:					
	GATCACCATG CTTGAATGTC	CTCTACTGCT	GATTCTAACA	TCCGTGTCAG	TTTTGGACCG	60
	GTTTCAGTAG ATGGATTTTN	CTCCNNGNNA	TGGGCCATAC	TTTCCTGCAT	TCTTTGCATG	120
10	CCTCATAATC TTTGATTGGA	TGCCAGACAT	TGTAAATTTT	ACCTTGTTGG	GTATTGGATA	180
	TTTTTGTATT CCTATAAATA	TNCTTGNGCT	TTGAAA			216
	SEQ ID NO:6251					
	SEQUENCE LENGTH: 319	ē				
15	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07412					
	SEQUENCE DESCRIPTION:					
20	GATCTAATTT TGTATGTGGG	AATCTTGCCT	TGCCCTGATT	TCCAGACCCA	TAGGCAGGCT	60
20	TGCAGGCTGT AGCTGGGGAA	GACCCCACGC	TTATNCTGGT	GCCCTGAGCA	AGCCCTCCTG	120
	CTCCACTATT AGGCAGAAGC	ACCTGTTCTG	CCACAGGAGG	CGCTGTCTTT	TGCTGGCAGA	180
	GCTCAGTTTC CCTTAAGGGG	AAGTTCCTTA	GGATTTAAGG	CCTCATGACT	ATCTCAAAAC	240
	CCATGTTTGT TTGCCAATAA	AGNAAATAAA	TAAACTGTAA	AAAANNAANN	AACNACCANN	300
25	NAAAAAACAC NAACANCAN					319
	SEQ ID NO:6252					
	SEQUENCE LENGTH: 111					
30	SEQUENCE TYPE:nucleic	acid			•	
30	TOPOLOGY:linear					
	CLONE: HUMGS07413					
	SEQUENCE DESCRIPTION:					
	GATCTACTGT TTGCATGTAA	GAGACCAGGN	TATGTAACTC	ATTTTATATT	AGTGTATACA	60
35	TATTGTGTAT ATAACATATG	GATATTAAAA	ATGGGGANTT	GCACATTTAA	A	111
	SEQ ID NO:6253					
	SEQUENCE LENGTH: 108					
40	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUNGS07414					
	SEQUENCE DESCRIPTION:					
	GATCCCAGGA ACTGTGGGCA				ACTCCTAGTT	60
45	TGTCATGGNT ANTTTTTGTT	CTTCCCTGTG	TGAGGGGNGC	CATCAACN		108
	SEQ ID NO:6254					
,	SEQUENCE LENGTH: 317					
50	SEQUENCE TYPE:nucleic	acid		•		
อบ	TOPOLOGY: linear					

	CLONE: HUMGS07415 SEQUENCE DESCRIPTION:					
_	GATCACAACC ATCAGCATCA	CGGCCACAGC	AGCCAGTGTT	GGGGCTGCTG	GCATCCCCCA	60
5	GGCGGGTCTG GTCACCATGG	TCATTGTGCT	TACGTCGGTC	GGCTTGCCCA	CGGAAGACAT	120
	CACGETCATC ATTGCCGTGG	ACTGGTTCCT	TGACCGGCTT	CGCACAATGA	CCAACGTACT	180
	GGGGGACTCA ATTGGNGCGG	CCGTCATNGA	GCACTTGTCT	CAGCGGGNGT	GGAAGCTTCA	240
	GGAAGCTGAG CTTACCCTAC	ACAGNCTGGG	GAAACCCNTA	CAAGTCCCTT	AATGGNACAG	300
10	GACGCAGGGG AGCATAN					317
	SEQ ID NO:6255					
	SEQUENCE LENGTH: 218			•		
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS07416					
	SEQUENCE DESCRIPTION:			•		
	GATCGAGACC ATCCTGGCTA	ACACGGTGCT	GGCGGAGATA	ACACTCCCTT	GAAGCAGTGG	60
20	AGTACAATCA AACATCTTGG	CTGCTCCTGA	AACCNGGTCC	CACGNATTTC	AGTCCGGCTA	120
	AGANCGAAGA GCTGGTAAAC	CANTAANTTG	GGTGGAGGCC	GAGAGCTCGG	GGCCGCGAGC	180
	AAGCCTCCGA CGANNTGGTC	CCCTGGACCN	NCNGGTTN			218
	SEQ ID NO:6256					
25	SEQUENCE LENGTH: 194					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07417					
30	SEQUENCE DESCRIPTION:					
	GATCTNACTC ACAGAGGGAA				•	
	TTTGGGTTCA AGCAAGTAAA					
	AGTTATATCT CCATGATATT	TNCTTTGTGG	AAGTTGATTG	TCCTTCCTTA	CAATAAATTG	
	CTTGANTTGT CAAA					194
35						
	SEQ ID NO:6257					
	SEQUENCE LENGTH: 345					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS07418					
	SEQUENCE DESCRIPTION:	C#C##C#++C	1717011117	TC4T4TCT44	ATCAACAACT	eΛ
	GATCCTGTGT ATTTCCCTGA					
45	GACTGTAATC TGGTACTATA AGCTTTTAAA TTTNATTACT	-				
45	CTAGTNCTGT TGACATTGGA					
	TTCCCATCTG TNCCTGCTTT					
	ATTTTANCAG TGNTTTTNGT			_	IGCIGOLITA	345
	ALLIANOAU IUNITIIIUI	VAAAAVAIAU	UNINONUUN	O 1111111		0.10
50	CPA IN NA. COED					

55

SEQ ID NO:6258

5	SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07419	acid				
10	SEQUENCE DESCRIPTION: GATCTGGGTT CTAGAGGGCA TATCCAGTGT TCAAGTGCAG AAACGTTCGC TGAGGTTTTG	AAATCTTTGG	CTTNGCTACC	AGTTCCATAT		60 120 167
15	SEQ ID NO:6259 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS07420	acid				
20	SEQUENCE DESCRIPTION: GATCCACACT TTTAAAGAAA TCCNAAGAAA ATATGTGAAT CATTGNAAAN					60 120 130
25	SEQ ID NO:6260 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7421	acid				
30	SEQUENCE DESCRIPTION: GATCCGAGAT GGCACCATTG ACAAACAAAC AAANCAANAA				CCGTCTCCAG	60 110
35	SEQ ID NO:6261 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07422 SEQUENCE DESCRIPTION:	acid		·		
40	GATCTGGCTG TCTAGAGGGA GGTTATTGGA GAACTAATCT CCTCTTTCCG CCAGGCCCTG GNTCCTGATG AATATGGCTT GGNATGAAAT GATTTGCACT GNNTGGAAGN	CATCTCAAGG AAACCTGGCC GGAGATGNTG	GGCCAGNCAC CCGTGCCAGC TACAANTTTT	CAAGTCCCAA AGGATGACAA TATTNCCCTN	AGCCTACAGA GCCCCAGGGC TGGNTTTGA	120 180 240
50	SEQ ID NO:6262 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

	CLONE: HUMGS07423
	SEQUENCE DESCRIPTION:
	GATCCACTCG GNCAACCCAA CAGTTTTACC AACCACCCCG GGCTCGGAAC TAATAGGNAA 60
5	AGTAGACTCT TTGTGAAGAA ACGAGCCANT NNCTGGAACA CCCTGGTGGA AACCTGTTGA 120
	CANGCCCTN 129
	SEQ ID NO:6263
	SEQUENCE LENGTH: 157
10	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS07424
	SEQUENCE DESCRIPTION:
15	GATCACTIGA ATGITAGGNI TCATAGNACI ATACTAATCI TCTCACAAAA GGICTATAAA 60
	ATACAGTCGT TGAAAAAAAT TTTGTATCAA ANTGGGGNGG CAAATTNGAA GCTTCTCCTT 120
	AANCTGTATT GATACTGACT TGAATTCTTT TCTANAN 157
	SEQ ID NO:6264
20	SEQUENCE LENGTH: 171
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
	CLONE: HUNGS07425
25	SEQUENCE DESCRIPTION:
	GATCTCCTTC TTTAGCTCAA GGTTGCTGCA ANTTGGAGCT GAGCTGTCAG TGGAACGNGT 60
	CCTGGAAATN ATTAAGCAAG GCGTCGTTGC GCTGCCCAAN GACAGACTGA AGAAATTTCC 120
	AGANTTGAAA TTCAAATATG TGGAAGNGGA GCAGCCCGNG GNGTTTTTAT N 171
30	SEQ ID NO:6265
	SEQUENCE LENGTH: 174
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
05	CLONE: HUNGS07426
35	SEQUENCE DESCRIPTION:
	GATCCTACAT TTACAGACAG TTTTGTCATA ACCCTTTGCA TTGCAGCACC TAGTACAATT 60
	CCTTGGAAAC AGCGTGGCTC AATAAATTTT TATTGAATGA ATAAATGTGG GCCCAGAAGC 120
	GTGCTAGANG AGTGCCTTTC TGGGCTACTN AAAAAANNAA AAANACNAAN AANN 174
40	
	SEQ ID NO:6266
	SEQUENCE LENGTH: 123
•	SEQUENCE TYPE:nucleic acid
45	TOPOLOGY: linear
	CLONE: HUMGS07427
	SEQUENCE DESCRIPTION:
	GATCAAAGAC TCCCTGGAGC GAGAAAACAG TTACTGCCAG AAGCAGAATG GAAGAGCCAA 60
50	AAAGTACACA AAATGGACGC CATAANTTCT GAAATAAAAG TGTATGATGT GTTCTGAGTC 120
50	123

5	SEQ ID NO:6267 SEQUENCE LENGTH:174 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07429 SEQUENCE DESCRIPTION:	
10	GATCTGGGCC TCAAAATACC ATAGTAGCTG CTTGATAAAA TTCTAAAAAT ATCTGGTTCT (CTATTATGTA AACACTATTA CAGTCACCAG TGTGTGAAGA CTCTTGAGTC TGGTTCTCAT 12	60 20 74
15	SEQ ID NO:6268 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07430	
20	ACACGGTGTT GTAGCCAGTT CAGGTACTGN ATATTTAGGA TTTGGTGNCG TTCACTGTAT 12	60 20 63
25	SEQ ID NO:6269 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07431	
30	SEQUENCE DESCRIPTION: GATCTCCAGT ACTTTGTACA ATGTATAGTA TATTAAATAC ATTTATGTGT AATTTTGTGT G GTATTTNTAT ATGGTATAAT TAAAATNATT ACATTTATGT GATTGTAATT CACAAAANGT 12 ACTACTTACT ATATNCTGTA GNGTGTGTTG TGAATGTNTT TACCNGTGTT TGAGCATTAT 18	
35	SEQ ID NO:6270 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic acid	
40		60 85
45	SEQ ID NO:6271 SEQUENCE LENGTH:284 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	

	CLONE: HUMGS07433 SEQUENCE DESCRIPTION:					-
	GATCCTAGTG AGGGATTGAT		11G1141TT	1761161766	AGACGATGAT	60
5	ATGAAGCGAA CCATTAATAA					
	ACGGAATTTT GAGACTTTAA					
	GTTTCCAGTA AGGGAATATT					
	TAGCCTTCTA AGTAAAGGCA				0011110.1	284
10						
	SEQ ID NO:6272					
	SEQUENCE LENGTH: 211					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
15	CLONE: HUMGS07434					
	SEQUENCE DESCRIPTION:					
	GATCAGTATT AACATCCAGG					
	GTATATAGGN AATAGACACT					
20	TTGTTCAGAA TCACTCACAA			NCAAANTGGG	AGCACTGTGG	180
	CCTNTTTTTN CAACTTTTGT	GTACATCTGN	N			211
	SEQ ID NO:6273					
	SEQUENCE LENGTH: 170					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07435					
	SEQUENCE DESCRIPTION:					
30	GATCTCATGA AGTCTTCCTT	GGCCCAACCA	GGCAGATGCC	CCGGGCTCCA	GTGGGGGGAG	60
	GGGTCTGGGG TCTGGTCCGG					
	CAGTGCGNAT AAAATTTGGA					170
	SEQ ID NO:6274					
35	SEQUENCE LENGTH: 301					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS07436					
40	SEQUENCE DESCRIPTION:					
40	GATCTGCCCG CCTCGGCCTC	CCAAAGTGCT	GGGATTACAG	ACGTGTGCCA	CTGNGCTCGG	60
	CCTCAGATTC CATATTTNAA					
	GAGTTTAAAT AACTTTNATT					
	TNCTTTCCTA TCCTTCCCCC					
45	TGGACCCAGT GCCTGCGGGG					
	N		- '-			301
	SEQ ID NO:6275					
50	SEQUENCE LENGTH: 198					
JU	SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGS07437					
	SEQUENCE DESCRIPTION	N -				
5	GATCCAAAAA ACCATTCN		CTGAAANGNA	ACATCTACCT	CCCGACCTAC	60
	CACCCCACTG GCTGGTTC					
•	CCCAGNTCTG ACCCTGAT					
	TTTTNGGGGG GNTCCATN					198
10						
	SEQ ID NO:6276					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE:nucle	ic acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS07438					
	SEQUENCE DESCRIPTIO	N:				
	GATCTCTACT CAAAGATG	TC TTGCAGTTTA	TGAACTGAGA	TGTAACTTCA	TGACTAACAT	60
	GATGACATCG TTATTAAC	TA CATAAACTTT	ATAAAGCTTA	AA		102
20						
	SEQ ID NO:6277					
	SEQUENCE LENGTH: 318					
	SEQUENCE TYPE: nucle	ic acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS07439					
	SEQUENCE DESCRIPTIO					
	GATCTTAATA CCTAATTT					
••	TCAATGTGAA TATCTTGA					
30	TTGTTTGTCT GATTAGCC					
	TGTGTAACTC AGTAATTG					
	NAGCATGGTG TGTGAGGC		TTTGTGCCAG	CICIGIATON	IGILIGINGG	
	CCNTGTTTGT AGGCCTGN					318
35	SEQ ID NO:6278					
	SEQUENCE LENGTH: 321					
	SEQUENCE TYPE: nucle					
	TOPOLOGY: linear	ic aciu				
40	CLONE: HUMGS07440					
	SEQUENCE DESCRIPTIO	N:				
	GATCTCGCCA ACAGCTAG		ACCCCCACGA	TACGCACAGC	ACACCACTGT	60
	CCCTTCACTG CACTTTCT					
	TGTAGTGGTT TGGCAAGG	TT AGAAGGCCTC	GGCCTCTCTG	TNATGCTGGG	AAGTGCCTAC	180
45	TCTCTGGGCC ACTGCTGC					
	CTGCAGCAGA GGCAGCCT	AT TCCCATTGCA	AGGNGNGGAN	TGAACGGAGT	AATTATTCTA	300
	CTNTTCTTTT TACATAAA	TA N				321
50	SEQ ID NO:6279		•			
	SEQUENCE LENGTH: 290					

5	SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS07441	acid				
	SEQUENCE DESCRIPTION: GATCCTGCAC GTCCGCAAGC GTCCCTGAAG TTTGCCTCCT					60
	CAACGCCTGG AGGACGCCGT					
10	CCTGAGTTGT GACATCTNCA					
	GGGCACCGTG TATGNGNTNG					290
	SEQ ID NO:6280 SEQUENCE LENGTH:130				,	
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07442					
	SEQUENCE DESCRIPTION:					
20	GATCCAGTCT NTGGTATCAT					
	GATGGTAAGC TTTTGTNAGN	GTTTTAACAT	TTNCTTGATG	AAACAATAAA	AAGAGGTAAG	
	CTTTTNCCTN					130
25	SEQ ID NO:6281					
25	SEQUENCE LENGTH: 192					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		•		
	CLONE: HUMGS07443					
20	SEQUENCE DESCRIPTION:					
30	GATCCAGTTT TGTTTGGGAC	CAAAAACCAG	TATTGTACAA	AGTATTAAGC	ATATATTTTN	60
	ATATTTACTA AAATNGACTG					120
	CATGTTTATT ACAGTATAAT	TAACATGTTA	AACCATGGGG	NTAAATGCCA	TCANTAAAAA	180
05	ATTATGNCAT NN					192
35						
	SEQ ID NO:6282					
	SEQUENCE LENGTH: 125 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acru				
40	CLONE: HUMGS07444					
	SEQUENCE DESCRIPTION:					
	GATCCACCCC CTGCCCGCAA	AACATTGCTC	CTAACTCCAC	CGNCTGTCCC	AAAACCTATG	60
	NGANCTAATG ATAATCCCAC	CACACTTTAC	TGACTNTNTT	TCCAGACTCA	GCCCGGCTGN	120
45	ACCAN					125
	SEQ ID NO:6283					
	SEQUENCE LENGTH: 301 SEQUENCE TYPE: nucleic	anid				
50	TOPOLOGY: linear	actu				

5	CLONE: HUMGS07445 SEQUENCE DESCRIPTION: GATCTGAGTT GCAGCTCTGC TGCCAGGTTC TGTACTTGTG GTGCTCAGAC TGTAGCCTGT GGCTGTCGTT TGTTAACATN TACAAAGGGN GGNNGAGAAA N	TCCAGCTATG AGCTCTTGGC ATCAGGAAGA	GCCCTGGNTG CTGTGTAGAG TGGGAAAGGT	CTGGAGCTGG CCCCCTCCTG CAGGCAGNAT	AGGGTTTTCT TGCCCTCAGT TTTTCTGNCC	180 240
15	SEQ ID NO:6284 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07446 SEQUENCE DESCRIPTION: GATCCTTGNT TTCTAAAAGC TAATACTTNT ACAGTCAATG	CAGTCCTNCC			TGTAAATGTT	60 108
25	SEQ ID NO:6285 SEQUENCE LENGTH:159 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07447 SEQUENCE DESCRIPTION: GATCTGGGGG AAAGGCTGCC		GGCTCGTCTC	ል ሮፕሮርሮፕ ሮ ኖር	~TGCC 4 TTTC	60
30	CCGGAGTGGG AAGACCCTGA GTAAAGTGGG GGTAATAAAC	GCAAGCAGCA	CTGCCTTCCT			
35	SEQ ID NO:6286 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07448 SEQUENCE DESCRIPTION:	acid				
40	GATCACTTGA CTCTTGTAAA TTAGTATACA AATGTGCATT ANTAN					60 120 125
45	SEQ ID NO:6287 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07449	acid				
50	SEQUENCE DESCRIPTION: GATCTACAGT AATTTATTCT	NTCTAAAAGT	AAAGCATTTT	CAAAACTCAG	TATTTAAACC	60

	AAA , 63	ļ
5	SEQ ID NO:6288 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07450	
10	SEQUENCE DESCRIPTION: GATCTTTTCC ACTGGNCTAC TACCTGACCA TAAACATGTC TGCATTTGAA TTCTCTAAAC CCTAAATCTG TGTCTATGAA AAATACAAAT GACTATTAAA TAAA	
15	SEQ ID NO:6289 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07451	
20	SEQUENCE DESCRIPTION: GATCTACCCA CCTCGGCCTC CCAATGTGCT AGGNTTACAG GCATGAGCCA TGGCGNCCGG 60 NCAAGTTTCT ATTCTTAAAA TAAAGAGGTT ATACATCTAA NTTACAANTC GTGGCCAAAA 120 NGN 123)
25	SEQ ID NO:6290 SEQUENCE LENGTH:296 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUMGS07452 SEQUENCE DESCRIPTION: GATCTGCCCG NCTCAACCTC CCAAAGTGCT GGGATTATAG GCGTGAGCAC CGCCCCCAGN 60	j
35	TGATTCCAGG CGAATTCTTC TCTGATGGGC GGGCGAGGGT GTGTTCGTGT GATGGGTTGG 120 NGTGTGTGTG TCTNNGTACA CAGATGATGT GTTTTCCCTT CAGCTTCTTA CGTTTTCTGA 180 GCATCCGTTG TGCCTTAACA TTTTCTGNTT GTCCTTTGGG NCAAAGCAGT ATTTTACTNA 240 TNCTTTGAAT GTTCTCATTC TATTNTATCA TGTGACTTAT TAAAANNAGN TTNTAN 296)
40	SEQ ID NO:6291 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07453	
45	SEQUENCE DESCRIPTION: GATCTGATGG ATTAATAAGG GGTNTCCCCN ATTGCTTGGC TCTCATTCTC TCTTGTCTGC 60 TGCCATGTAA GATGTGCCTT TTGCCTTCCA CCATGATTGT NAGGCCTCCC AGCCACATGG 120 AACTGTGAGN TCATTAAACC TCTTTTTCTT CATAAATTAC CCAGTCTCGG GTATGTCTTT 180 ATCAGCAGTG TGCAAGNNGG GGNGNTACAC CACTNCTCTA ACTANNTN 228)
50	SEQ ID NO:6292	

5	SEQUENCE LENGTH:176 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07454 SEQUENCE DESCRIPTION:
10	GATCCTGTGG TCAGAGGCCT CTTTGGCAGT GTNTTCTTAC CCTTAAGNAA GGTCATGAAA 6 TCCAGAAGGG GCAACCTTTN CAGGAGAGCT TTGGAGTCAT TTCTGTGTGA GNCACTATTG 12 CATAATCCTG NCAGNTTGCT TTTATATTTA AGGANTGATG TTACTTANCA ACTGAN 17
15	SEQ ID NO:6293 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07455 SEQUENCE DESCRIPTION.
20	SEQUENCE DESCRIPTION: GATCTGACTG CTGGCTATAG GATTTTGGAC TTAATGACTG AAATTGCAAA TTGTCCTTTT 66 TCTTTGGCATT ACAGATTTTG CCAAAATAAC TTTTTGTATC AAATATTGAT GTGTGAAAGT 126 GAAGGAGCTA GTCTGCTGAA CCAGGAATAG TTTGAGATAT TGAACTGTCA TTTTTGNACA 186 TTTGAATACT TTGCAGGCTG GCTTTGTATA AACTTATCCT CNGGNNNCCT ATATGTTGTA 246 AATATNTAGN CCATAATTCC ATTATAANTA AANCCTATAA ACTATTCAAA CNAANANCAA 306
25	ANAACANANN 310
30	SEQ ID NO:6294 SEQUENCE LENGTH:258 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07456 SEQUENCE DESCRIPTION:
35	GATCCCAAAA AGTTTCCTTC TGCCCTTTTT CAATNCCTCC TTCCCGCCCN TCTGCTTTTG 60 TCATTATATA TTACTTTGCA TTTCCTAGAA TTTCATATAA ATGGAATCAT ANAGTATCTA 120 CTCTTTGTTG TTGTCTGGCT TCTNTCACTC AGCATAATTA TTTTGAAACT TATCTATGCT 180 GNTGTGGGTA TCAGTAGCTC ATTANCCNAT TGTTGCTGAG TAGTNTTTNA TTGTATGANN 240 GTGCTACACG TTATNCGN 258
40	SEQ ID NO:6295 SEQUENCE LENGTH:31 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE:HUMGS07457 SEQUENCE DESCRIPTION: GATCTTAATA AATAATACCT TACTGCTTAA A 31
50	SEQ ID NO:6296 SEQUENCE LENGTH:38 SEQUENCE TYPE:pucleic acid

5	TOPOLOGY:linear CLONE:HUMGSO7458 SEQUENCE DESCRIPTION: GATCTATGTA CAATTTTAAT	AAAATCCTGT	CCATGAAA			38
10	SEQ ID NO:6297 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07459 SEQUENCE DESCRIPTION: GATCACCTAC TAAGANGTAC		TCATTCTTTC	TTTATAAGAA	TTAATTAANT	60
75	TTTAATTGAC AAA					73
20	SEQ ID NO:6298 SEQUENCE LENGTH:311 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07460	acid				
25	SEQUENCE DESCRIPTION: GATCCACCCA CCTTGGCTTC CCCTATCTCA AGCTTCTTAA CCAACGGTTT CAGAGNTTAG CCTGGTNTCC AGTGAATCCA CTAGGGGACA TNTATGTGAN NATTNAATAT N	CTGCACCTGC GNTGTGGNCA TGTTTAGTGG	TAAATCCCTT TTTTGGGGGG AGGACAACAT	TTGCCATGTA CTGTTTTTCT TTGAGGCACT	AGGTAACGTA GACTGCAATA TACATGGATN	180 240
30						
35	SEQ ID NO:6299 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07461 SEQUENCE DESCRIPTION:					
40	GATCAAAAAA TAACTATAAG GNGTACTCAT CTTTATTTCT					60 115
45	SEQ ID NO:6300 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07462 SEQUENCE DESCRIPTION:	acid				
	GATCCTACTG CCTCGTCCTC NCACAAATAG CGATTTTATC					
50	TGAACTATTG TTTTCTTTAT					

	TTAAAATATA TCAGCAGCTA	ATAGCTCATT	TTAAATAGAT	TCTGAAAGTT	CAAGNATTTC	240
	AGGTTGCCAG NCACCNNTAT	ACTCTACANA	ATCAGANANG	GCTCATTCCT	GNTTNCTNAC	300
	ACAACAAANN					310
5						
	SEQ ID NO:6301					
	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear					
	CLONE: HUMGS07463.					
	SEQUENCE DESCRIPTION:					
	GATCAGGGAT GTCCAATCTT	TTGGCTTCCC	TGAGCCACAT	${\tt TGGAAGAAGA}$	${\tt ATTGTCTTGG}$	60
	GCCGCACATA AAATATGCTA	ACACTGACGA	TAGCTGATGA	GCTTAAAAAA	${\bf AAAAAANTTG}$	120
15	CANGAAAAAT CTCATGTTTT	ANGAAGGTTT	NCAGNTTTGT	${\tt GTTGGGCTGC}$	ATTTAANGCT	180
	GTNCTGGGCT GCNTTGGNCC	CGNGGGCTN				209
			-			
•	SEQ ID NO:6302					
20	SEQUENCE LENGTH: 312					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07464					
	SEQUENCE DESCRIPTION:					
25	GATCATAGCT CCTGGTAACT	GTGGACTTGA	TAGATTTNAG	GTACCTAGTT	CAGAACTCCC	60
	TAGTCACCAT CTCCAAGCCT	GTCAACATCA	CTGCATATTG	GAGGAGATGA	CAGTGGTAGG	120
	ACCCAAGGAA GAGATGTGTG	NCTGANTAGT	CGTCACCATA	TCTCCAAGCT	TCCNGGCAAC	180
	CAGTGGGAAA AGAAACATGC	GAGNCTGTAG	${\tt GAAGNGGGAA}$	GCTCTTCCTT	GGCANCTAGG	240
30	AGGNNTTAGC CATTCTCTTC	CTTATGCAAN	GATTGAGGAN	TGCAACAATA	TAAAGNACGT	300
	GNAGTCCCNA NN					312
	SEQ ID NO:6303					
	SEQUENCE LENGTH: 147					
35	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07465					
	SEQUENCE DESCRIPTION:					
40	GATCCGCCCG CCTCAGCCTC					
	NCTGAAGGTT ACTTTTCTTT		GGGGCAGGGT	GTTACACAGC	TTAATAGATT	
	AAGAAGAATA AAATGCTGAA	TGCTAAA				147
	000 ID NO 0004					
45	SEQ ID NO:6304					
73	SEQUENCE LENGTH: 294	• •				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07466					
50	SEQUENCE DESCRIPTION:				#444.F5-5-	4-
	GATCATATTT CCTCAAAAAT	AAGAGAAATA	AGGTTCATAA	GGAAACTTGC	TUGGATTGTG	60

	GTTGTTTTGT TTTCTCAGCA	GCACAAACAA	AACCAGAATT	TAGCCTTTAG	GACTGCTGAG	120
	TAAGCCAAAT TTAAATGACT	ACTGCTTTGT	NCATGGGTAA	GCCATGTNCT	TTTCAAAATA	180
_	AGTGCCACTA AAANCCACAT	AATGCTTTGG	TTTCTATGTG	GCTAATANNT	ATTTNGTCCT	240
5	ATAGTTTATC TTATTTGTNA	CTGATTTNCN	TCTCTTGNAT	GCCTCATATT	ANTN	294
	SEQ ID NO:6305					
	SEQUENCE LENGTH: 294					
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07467					
	SEQUENCE DESCRIPTION:					
15	GATCCATTCG CCCCAAGGGG	ACAACGGGGT	GTCAGGGGAG	TNAGGGGTGG	AGGTAGGGC	60
75	CAAAGAGGCT TACACGATAT	CCCATACCTT	TAATGCCTTT	GGCCTTCCAT	TCTNACTTCT	120
	CTNATGAGAT TATTGTCAAC	CCTGCTTTCC	CTGGTAGATA	TTTGCCAGGC	CCAATGCTTT	180
	AACCTTAAGC TGATATTTTN	CCTTTAGATG	TCAATCTCGT	TACCAGCAGC	CTTTTGACCC	240
	AACTNCAGNG NTCTATATTT	NCGTAGNGGN	TTTTCNCCCA	TGTGCATGGA	TNTN	294
20						
	SEQ ID NO:6306					
	SEQUENCE LENGTH: 129					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear					
20	CLONE: HUMGS07468					
	SEQUENCE DESCRIPTION:					
	GATCCCAGAG GCTGAGGGTT	GGGGAGAGGA	AGCCATCATC	TCATTACCTC	TGTCAGTGCA	60
	GGGGTGGCTN CTNCTTCCCT	TGTGCACTTG	GGTCGCTGTG	ATTGTAAATA	AACGTGATTT	120
30	CGTACCAAA					129
					,	
	SEQ ID NO:6307					
	SEQUENCE LENGTH: 193					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07469					
	SEQUENCE DESCRIPTION:		######################################	**************************************	ATN#661444	co
	GATCTCTTTG TNATTTAAGA					60
40	TTAATTACCT TTATGAAGGT					
	TTTACCTACT TTAAAAGTTT	TANTGGATTG	CNCCTCTGTA	ANCTATICCI	AANNIGIGIA	
	TGANATATTT NAN					193
	SEQ ID NO:6308					
45	SEQUENCE LENGTH: 291					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07470					
50	SEQUENCE DESCRIPTION:					
	GATCTTTCTT CCTCTCCAGC	CCACAAGTGG	CTCTAGTGAG	ACGAGCATTT	AAGCTGCAGG	60
					–	-

	TGGTGGCACT CGGGTCTCAG					
	GCTGCCTGTN AGCGTCCCTC	CCAGGTGCTA	GCCCTGGCAG	GCACAGCCCT	NCCCTCATGC	180
	CAGCAAAGGA AATGCTCTTG	ATGAGAGGCT	CGCTTTAAAG	AAGCCCAAAG	CGTGTGCTTA	240
5	TCCAAGGGGT TCAGCTATTC					291
	•					
	SEQ ID NO:6309					
	SEQUENCE LENGTH: 97					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07471					
	SEQUENCE DESCRIPTION:				•	
	GATCATATGT ATTINTATGT	TCTGTAAAGN	ATTTGACTTA	CTAGTTCTCA	ATAAAATTTT	60
15	ATTAGGACTA TAAAAAAAA			0111011011		97
			IMIIMM			31
	SEQ ID NO:6310					
	SEQUENCE LENGTH: 147					
20	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear	4014				
	CLONE: HUMGS07472					
	SEQUENCE DESCRIPTION:					
	GATCTTATGT ACATACCCAT	TTTAGCTTTC	CCATGCATAC	TTAACTGCAC	TTGCTTTATC	60
25	TCCTTGGGCA TTCTTACTTA					
	AAATAAAACT TCATGGAGTA		unnontuth	CAUGUIAAAC	AAIIIIIAA	147
	MUNICIPAL TONIGONOIN	TOTUMA				141
	SEQ ID NO:6311					
30	SEQUENCE LENGTH: 190					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS07473					
	SEQUENCE DESCRIPTION:					
35	GATCACATTT TGAAATGCCT	A A A G A C T T T	ATTGTTCTAA	TTATCCAGAT	CTACCTTTCT	60
	AAAATAGCTC TTTTATGAAT					
	CACCTAAAAC CTTCCGGTTT					
	AATNAGGNTN	CCGGGGGGCCN	UUUAAATNUU	MANIMAGGII	ICHAAINIIA	190
40	AATIMOONTI					130
40	SEQ ID NO:6312					
	SEQUENCE LENGTH: 65					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	ac i u				
45	CLONE: HUMGS07474					
	SEQUENCE DESCRIPTION:					
	GATCTGGATT TTTGCCAATT	CCT A TC A A A A	AT A ATCCCC A	CAAATAAACT	ACT	60
	ATAAA	COLVIGUAVY	MINNICOUN	UNANIAAACI	ACT VARIOUS AV	60 65
50	ALIMA					ชอ
50	SEQ ID NO:6313					
	254 IN WO.0313					

5	SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07475 SEQUENCE DESCRIPTION: GATCCATTGG TGTTTGGTTT TAAAGACACG TACACTAAA		TTAAGTTTTT	TCTTTTATAT	CATCCAGAAA	60 79
10	000 to No 0014					
15	SEQ ID NO:6314 SEQUENCE LENGTH:204 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07476	acid	·			
	SEQUENCE DESCRIPTION: GATCCAATAA CCCAGTTAGG	TATTATAGAT	TACTATTTAA	CTTTCCTCTA	CATTCTCTCT	60
	GTGTGTGCTA AGTAAAAGTN					
20	CTGTTACTGG CCAACAGATT					
20	TTANCGTTTG TNAAGCCANN		• • • • • • • • • • • • • • • • • • • •		11111011100011	204
25	SEQ ID NO:6315 SEQUENCE LENGTH:204 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07477 SEQUENCE DESCRIPTION:					
30	GATCTCATCT CTGAAAATAA					60
	TTGAGAAGGT AATAGAAAAA					
	TGGAATTTTC ATAAGGATTT		ATTGCTGTAT	AACATTATTA	ATACAAACTT	
	ATTGGCTTAA NANNCAAANN	NNNN				204
35	SEQ ID NO:6316 SEQUENCE LENGTH:218 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			·	
40	CLONE: HUNGS07478					
40	SEQUENCE DESCRIPTION:					
	GATCACGAAG ATACATGTGT	TTGACTGTTT	AATTTGAAAG	TTTACATTTT	TNATGCTTTG	60
	TGTTGGTGTG TAATTTTTGT	ACTCTTGGTG	GCTAGTTTTT	GTCAAATCTT	TTTTGGAATA	120
	TTGCTTAAAT GTNTTGATTT	TATGATAGTG	AAGCTTGTAT	TCAGTGTTTT	GCCAATNAAT	180
45	ATTATATGCT TGTAATAANN	GCAAAAGANA	AGCTTAAA			218
50	SEQ ID NO:6317 SEQUENCE LENGTH:335 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					

5	CLONE: HUMGS07479 SEQUENCE DESCRIPTION: GATCCCAGTG GGAACCTTCA AAGCATCCCT GACCTCCTGG GGTGGCGACT GAGTCCTTCT AGCTCCCTGC CCTCCGTGTG GGGAAGAGCT CCAGCCTGTN TTTNAGGGTN TANGGTGNGG	AGACACCACC GTACGTGCAA TGTCTGTTAT TTGNTCCCAA	TGCTTTCCGG CTGGGAAACT CTGGGGGAGA AGTTCTNNAG	GCGGCACTGT TTTGTCCTTT GGAGTGTGGG	GATGGGAGCT GAGGCTAGGC AAGGNNTTGG	180 240
15	SEQ ID NO:6318 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7480 SEQUENCE DESCRIPTION:	acid				
20	GATCTGCGTG TCAAACTGTT TATAACTGTC CGTTACTTTT TCCATATTTA TCCGCATGTA GGCTAGAAGA NCTCGTATGT TNATTAGAGG ATTCTNAAAT	GGCAAAAGAT AAGGGCCGGT ACACTTTAGT	ACAACCACAT. TTATCCATGT	AATGTATATA TACAGCTCTT	ATTCCTAGTT CAATATTTAT	180
25	SEQ ID NO:6319 SEQUENCE LENGTH:313 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	·			
30	CLONE:HUMGS07481 SEQUENCE DESCRIPTION: GATCCACCCA NCTCGGCTTC CCGATAAATG GATTTNAAGC					60 120
35 .	AAGACAATTT GTGGGGTTGG CACTTTGAGN NGGATTTTT ACTAGTAAGT CAAATGGNGA TTTTTANCNG TTN	GGNGAGGAAC GGAAGGGTTT	CAGATGTAAA TGCAATGTCC	CAATGGAAAG ATTCTGTATC	NTTTTGGTGT TTGGGTTANC	180 240
40	SEQ ID NO:6320 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS07483 SEQUENCE DESCRIPTION: GATCTGTGCT TTTNCCCACT TGCAAATAAA GGTTGGTATT AAAAAAAAAAA AAATNAACNA	CGCTCCTGAA				

55

SEQ ID NO:6321

	•					
	SEQUENCE LENGTH: 332					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
5	CLONE: HUMGS07484					
	SEQUENCE DESCRIPTION:					
	GATCCCTCCT CACTTGCCCT	GCCACTTTGC	ATGGTTTNAT	TCTTAACCTG	GTCCCCCACG	60
	TGTNAAGTGT AGTGGCATCC					120
10	GCTGGAGATG GAAAATCACA					
	GGGTTCCCCC TCCCTGTGTG					
	CGGGGCACT GCCTGAGGGC					
	ACCNACTGTG GCCTGGAATN					332
15	SEQ ID NO:6322					
	SEQUENCE LENGTH: 376					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS07485					
	SEQUENCE DESCRIPTION:					
	GATCTAATTA ATGTGAAGGA	CTNGCCAGTC	TGGGAAACCG	CCTGCCACGT	GGAAGAGCCA	60
	AACCCGACTC TNTGCTGCCA					120
	CTTCCAGAAT CCTCGCAGAC					
25	AGCAAGCAGC AAGCAAGATG	GGGTTCTCAT	CAGTTCTTCC	TTCCCACAAT	GTAGGACCTT	240
	TCCTTTTACC TTTNCAATGG					
	CACAAGGAAT TCAANGGTTT	TTTNANCAAT	TTANCANTTC	ACCCGTCTTA	TGTNGTTTAA	360
	NANTHANANC NANTCH					376
30						
	SEQ ID NO:6323					
	SEQUENCE LENGTH: 109					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
35	CLONE: HUMGS07486					
	SEQUENCE DESCRIPTION:					
	GATCACAGAC ACCCAGTNCG				TGTNAGTGGG	60
	CCTCGTTCCC CCCGGAGAAT	CCCAGCGGGG	CCTCANAGAT	GCATCTGGN		109
40	484 IS NO 444					
	SEQ ID NO:6324					
	SEQUENCE LENGTH: 156					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
•	CLONE: HUMGS07487					
	SEQUENCE DESCRIPTION:	1011000000	******************************	1010000101-	800ma	• -
	GATCTTGGCT GCTTTTAACT					60
	TGAGTGTNAA TTTAAATTAA CCAAGTCTTT NCACCTGTCA			AAUTATTUAC	AAGATAAATN	
50	CONTRICTION WONDON	UUUAIUUAIA	TUTUAU			156

5	SEQ ID NO:6325 SEQUENCE LENGTH:229 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07488 SEQUENCE DESCRIPTION:	acid				
10	GATCCCAGTG AAGGGTTTTG TCCTGGCATT TCCTGATTTC TCCATGGAAA TAAAAAGTAT TTCCCCCTTT ACTATAAGAC	NAGTGTATAC GTTGTACATA	TCTGTAGTCT CTGCCGAAGA	CAGTTCGTGT ATTGTCTTGC	TTGATTCCAT	120
	SEQ ID NO:6326 SEQUENCE LENGTH:190 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07489	acid	· ·			
20	SEQUENCE DESCRIPTION: GATCTTACAC ATTCTGTGTA AATTATTAAG GCTATCATTC CTTTAATTTA AAANGCCTAA ANTTATNACN	TTTTAGTAAT	GTCATATTTG	CAAACTTTTT	NAGTTTTGGC	_
25			•			100
30	SEQ ID NO:6327 SEQUENCE LENGTH:355 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07490	acid				
35	SEQUENCE DESCRIPTION: GATCTCAGCT CTTTNGGTGA TCGTCAAAAG ACTTGAGGTT GGTATACACA ATTAACANCC TCTTTATAAA TATGGCTCAT CCTGAGTGTT TATGCTTGCA GNTGTTTAGN GAATGCNGTN	GTTGGGCACA AANGTGATAT CTGCTCATAA AAACTGTATG	GTATTTCAGA GCATTTATAC CTGTTAGNCC TTGTTATTGT	TGACCACAGT CTTTCCCTTT CACCCAACTG CTGATTTGAT	TAAAAAGCTG ATGNCCAATT TCATTAGTAA NATATTCNGT	180 240
40	SEQ ID NO:6328 SEQUENCE LENGTH:298					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7491 SEQUENCE DESCRIPTION: GATCATTTGA ATCTCAGTCT		CTGATTTGTA	GCCTGCACTG	TCTTACTGAT	60
	TTACAAACTG AAATCACTGA					
50	TTCCTAGTGT TGTGTTGTTT GNGAAAAAGT GTTACAACGG					

	GTGTTTAGTA GTGCCAAANT AAACCATTAN NTGNTTGTCC TTTGCCAAAN ANANNANN 29
5	SEQ ID NO:6329
	SEQUENCE LENGTH: 225
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGS07492
10	SEQUENCE DESCRIPTION:
	GATCACAAAG AAAAAGCATT TTTAAAAAGT TGGCAAACGC TGAAACGCAC TGTGGTATGA 60
	GGCGCATTGC ATTTCCATAG CACTGAAGTA CCAGTTTCCA TTCCTGGGCT GNGATTGTTT 120
	FICCUSTUSE IGENTIFICATION TO THE PROPERTY OF T
15	GTTTNCTGGT GGGGTNNCCA CCAATTAAAA CTNNTANAAN CCCGN 225
	SEQ ID NO:6330
	SEQUENCE LENGTH: 229
	SEQUENCE TYPE: nucleic acid
20	TOPOLOGY: linear
	CLONE: HUMGS07493
	SEQUENCE DESCRIPTION:
	GATCGACTTC GATAAAATAC TTTTGCCTAA TCAAAATTAG AGTGTGTTTG TTGTCTGTGT 60
25	AAAATAGAAT TAATGTATCT NGCTAGTAAG GGCACGTAGA GCATTTAGAG TTGTCTTTCA 120
	GUALLUMATU AGGUTGAGUT GAATGTAGTG ATGTTTACAT TGTTTACATT CTTTGTACTG 180
	TCTTCCTGCT CAGACTCTAC TGCTTTTAAT AAAANTTNAT TTTTGTAAA 229
	SEQ ID NO:6331
30	SEQUENCE LENGTH: 345
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS07494
35	SEQUENCE DESCRIPTION:
	GATCTAAAGA CCCGATAGGT GCAGAACCCA TCTGGACACG GAGACCAGGA ATGGAGTTCC 60
	AIGGAGGCCT GGCTGGCACT GCACCCGGGC ATGAGGACAC ATCCAGTAAG AAGACCTGCC 120
	ICAAGAGGTG CACTGCGGTG ACCAGTGGAG GTNACTGGTT GGAGCCTGGA ATTGGAAGCA 180
	GATICCAAGC TCTGGTGGAC AAACTCTCCA GGCCTGGTGG GATTCACAGC TGGGGCAGNC 240
40	CTCATCCTGG CTGCNTGGCC ACAGNCCCNN GCTNTTTNCC ACTTGGTGGT AGGGCCGATG 300
	CCTTNTTTGG ANGAGNTGGG NTTNTTTTGG TCNCGACTGN GTANN 345
	SEQ ID NO:6332
45	SEQUENCE LENGTH: 219
45	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS07495
	SEQUENCE DESCRIPTION:
50	GATCACAAAG AAAANGCATT TTTAAAAAGT TGGCAAACGC TGAAACGCAC TGTGGTATGA 60
	AGCGCATTGC ATTTCCATAG CACTCNAGTA CCAGTTTCCA TTCCTGGGCT GAGNTTGTT 120

	TTCCCGTGGT TGNATTGTNC GTTTTCTTGT GGAGTTAACA			TAACTGNTTT	TTTTTTGTTT	180 219
5	SEQ ID NO:6333 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07496	acid				
	SEQUENCE DESCRIPTION: GATCTATTTC TCAGCTTTCA	CTTATGTGAG	CCAATAAATT	CCTTTTTTGT	TGAAGGCAAA	60
15	SEQ ID NO:6334 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07497	acid				
20	SEQUENCE DESCRIPTION: GATCTACCCC CCCATCAACG GCNATGCCTT ACTCTGACGG ATAAAAAGTA ACTGAGATGA	GAGCATCTGT	ATTTTAATGT			60 120 154
30	SEQ ID NO:6335 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS07498 SEQUENCE DESCRIPTION: GATCTATGCT GTATGCACAG ATTTNCCTGA ATAANCTTAT			CTTAACATTA	TGTGATAAGC	60 91
35	SEQ ID NO:6336 SEQUENCE LENGTH:181 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS07499 SEQUENCE DESCRIPTION: GATCAGGTGT GGCCAATNAA CCAATAAAAG ACACAGGCAT	GGCTAACACC	TCCCTGGGCC	TCTTCTTCCT	ACCTTGATTG	
45	AGGGTGTGAT GCCTGGAGCC N	ACAGCAGCCA	CTTTGNNNNC	ATGACAAAAA	GGCCAAGNGN	180 181
50	SEQ ID NO:6337 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

5	CLONE:HUMGS07500 SEQUENCE DESCRIPTION: GATCACCAAA ACCTGATGTT TTAAATNTGC TTTCTTTTTG AAATTTATGT TTTCAAATAA 60 AATCTCCCTA AAGCAAA
10	SEQ ID NO:6338 SEQUENCE LENGTH:265 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07501
15	SEQUENCE DESCRIPTION: GATCCTATGA GTGTAGTTAA TGACTGTTNG TAAGTCAGTA GAGTAAAATN CTGTGTCCAC 60 GGGGTGTCAC AGCCTCACCA TACCCTGTTG AGGTGTGAAA TGCCCCGTCA GAAATTAAAT 120 ACAAACTTAA ATGTGCCTAT TGGTGTCTAA NCTTCATACA ATGTAAGGNC AGATTCCTTT 180 TNGGNNTACT GGGTGCTGTC GCCAGGTTTG NTAGTTAGAC TTAAAANCTT GANATTCACT 240 TTTTGGGGGG NGGGNTATAC TGANN 265
20	TITTGGGGGG NGGGNTATAC TGANN 265
25	SEQ ID NO:6339 SEQUENCE LENGTH:161 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07502 SEQUENCE DESCRIPTION:
30	GATCTATTGG AAAACAACAT GGAATGGAAT TCTGGAAATN ATTATTCATT GAAGAATGCA 60 GTGGCCAAGA AAATATCAAA TGTAGATTGT NAACGCTTGA GAATCATGGC TATGGTTTCT 120 NATGTCCTGG TAACANGCTG TTATCTTTNN NGACATTTTN N 161
35	SEQ ID NO:6340 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07503
40	SEQUENCE DESCRIPTION: GATCTAGTTA TAAAATACAT GAAAAGGCTG ATGCAGCAAT CGGTGGAATC GGTTTGGAAT 60 ATGGCATTTG ANTITATTCT TGACAATGTC CAGGTGGTTT TANAACAAAC TTATGGAAGC 120 ACATTAAAAG TTACATAANT ATTACCAGAG AGCCTGATGC TCTCTGATAG CTGTGCCATA 180 AGTNCTTGTG AGGTATTTNC AAAGTGCATG ATAGTAATGC TCGGNGTTTT TATAATTNNN 240 NNTTCCTTTT AAAGCAAGTN TTTTGTACAT NN 272
45	SEQ ID NO:6341 SEQUENCE LENGTH:345 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE: HUMGS07504 SEQUENCE DESCRIPTION:

	GATCAGTGTG GAAAAGCCTT CANTCAGAAA GGAAGCTTAA TTNTNCACAT CAGAGTCCAC 60
	ACAGGCCTGA AGCCCTATGC CTGTNCCCAG TGCAGGAAGA GTTTCCACAC CAGGGGGAAT 120
5	TGTATTCTGC ATGGCAAAAT CCACACAGGA GAGACACCCT ATCTNTNCGG CCAGTNTGGA 180
	AAAAGCTTCA CCCAGAGAGG GAGTCTGGCT GTGCACCAGC GAAGTCTTCA CAGAGGCTCA 240
	CCCTTTGACC ACTTTCCTGA AGAGAAGTTC TCTTTATGAA TTAAGGAGTA CAAAATCCTC 300
	TGAGNTTGAN GCAACCCTAT CCAAGTTTCT ANTGGGANTG GTTGN 345
10	SEQ ID NO:6342
	SEQUENCE LENGTH: 212
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
15	CLONE: HUMGS07505
	SEQUENCE DESCRIPTION:
	GATCTGTCTG CCCATCTGGC CCAGGGGGTC CGAGAAGGGA AGCCTTGGGC AAGAGGNGAC 60
	CAGTTGCAAT ACTGTACTTC CTGGTCAGTG GCCAGAGGAT GCGTGCAATA GCAGAGGCCA 120
	GGTNACCCCT TCAGCCTTGG CCTCTGCCNC TCCATTGGCC CTCCCTNCCT GNTNCTNCNT 180
20	GGTGTNGGTC AGTCCTTTTC TAAAGNTGTC CN 212
	SEQ ID NO:6343
	SEQUENCE LENGTH: 316
25	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS07506
	SEQUENCE DESCRIPTION:
	GATCTTCGTA TAATTGGCCA CTAATGTGAG AGTTCACTAC TAGGCAGAAA CTATTATGGA 60
30	CAGTNAAATA ATGACTTTAA TCTCACCACG TGAGTTTNAT GCAGTCTTTC CTGTCTAGCC 120
	CTTGCCTCTN CCTGCCCATG TNATTGCGGT GCAGTAGTTT CTGTNGTATA ATAGTGTGGA 180
	CAGCAGCTCA GAAAAGGAGG GAATGCTACT GATAATTTGT AGATAATNNN NTTTANGACT 240
	TAGGGGAACC ATTGACCTTT GANATTTTNA TTAGAAAATN ATTTGTNCAG AATCAGACTC 300
35	CATTATTTNC CATATN 316
	SEQ ID NO:6344
	SEQUENCE LENGTH: 184
	SEQUENCE TYPE: nucleic acid
40	TOPOLOGY: linear
	CLONE: HUMGS07507
	SEQUENCE DESCRIPTION:
	GATCAAAAGG AATGATGTAT TTTTAACGTG TTGGCCAAAG TCACTGGATA AAATGAGAAT 60
45	TGTATATTIN TAATTCATTT TGCAAATNCA GAAAGTTGGT CCAGATATAT GTCACAGANC 120
40	TTTNCACTTG TATACTACTC TTACAATGGA AAANNNTCCC GAAANCTGTA TACTTCTGAT 180
	TANN 184
	SEQ ID NO:6345
50	SEQUENCE LENGTH: 361
	SEQUENCE TYPE: nucleic acid

5	TOPOLOGY: linear CLONE: HUMGS07508 SEQUENCE DESCRIPTION: GATCAGACCA TGCAGGTAAG GTGAACCAGC TGCACGGACC AGGTTCCCGC AAAACATTGC CAGCTAGTGA GGCATAATTT GCTCAAAGTA TAGAAACAGC CCACCTGTGC CCACTTTGAC CATTGGTGAG GATAGATATA AAATCACTT	120
10	CATTGGTGAG GATAGATATA AAATCACTTC TTCCAACGAA GCCTAGGTGA AAATCTATTT ATAAATGGAC CACAACTCTG GGGTGTCGTT TTTGTGCTGT GACTTCCTAA TTATTGCTAA AGAACTACTG TTTAGTTGGT AATGGTGTAA AATTACATTC AGCTCCTTCT TGTCATATAA ANAGGAATTT GGNGGGTGTC GGTTTAAANA TTTTATTNCA CCTGTACCAT TTNGTCACTC N	240 300
15	SEQ ID NO:6346 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07509	
20	SEQUENCE DESCRIPTION:	60 120
25 ·	TAAATAGTTG TTTATATTGA GCTTGGGAAA GCTTTCGTGT CCAATAGAAA TAGCATATTA AAATAAATGC CACTGTATAT NAATGANAGT GTTGATTATA TACCCTAGAN ACTTAANCCT TAAGGNAGTT ATGTNTNAAT INNCTN	
30	SEQ ID NO:6347 SEQUENCE LENGTH:355 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07510	
35	CACATGAAGA CCGGCATGGC CAAGTNCTGC TGGAGGAGCA CTCAAGTGTG ACGAGCAGGG CCACTGGACC CTGCAGGGCT GTGGTGTATA TAGTGCAGCT TTGGAGGTGG AACTCTATTT NAACACTTTT CTATGGAGCC TTCCGAGTCC CAGGTTTTNA CTTGAGGCTG TCTGTCTGGA	180 240
40	TGGCGGTTTT NAGACCTCCA TTAACATCCC TACCCAGCAT TCTGTACTTC GGGGGGNCTT CTATCTTGTN ATAAAACTTN TTACCAAGTG GAACATCGGT TACCCACCTT TTGTN	300 355
45	SEQ ID NO:6348 SEQUENCE LENGTH:358 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07511 SEQUENCE DESCRIPTION:	
50	GATCGTCCTG CCTTTGTAAG GCAGATTTGG AGGGGAGGCC CAACAGCAAA GATGGAGAGG AAAAAGGGAG TGGAGCTTGT GGAACAGGAA GCCCCCCAGG GTCTGTCCAG GGCTGCTCAG 1 CTCTTNAGGA TGTTGTGGAT GGTGAAGTGG TGATGGTGTC CTGGAGCAGC CCAGCACCTC 1	

	CACTGGGCCC AGAAGGTCTT	GACTTCGGAC	ACTTACCCCT	GTTTCACAAG	TGTTTATAAA	240
	GCTGTTTTTN CTTTNGTTTT					300
5	TTGGGGGAGG GACAGGGGCT	TTAAANCCTG	GAGGAAAATT	AATTTTTAAT	TAANGGAN	358
	SEQ ID NO:6349					
	SEQUENCE LENGTH: 106					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS07512					
	SEQUENCE DESCRIPTION:					
	GATCATGGAA GCTCCGTGCC	CCTTCTCCCA	TTCCTTGCCC	TAAGTATCGC	CTCCATCTGG	60
15	TTGTTTGTCT GTATCCTTTA	TTAATAAACA	AGTAAATNTA	AGTAAA		106
	SEQ ID NO:6350					
	SEQUENCE LENGTH: 135					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS07513 SEQUENCE DESCRIPTION:					
	GATCAGTGCC AGAAGTCATT	CTATTCAAAC	AACAATAACC	*****	ACAACCAACC	60
	AAGAGAGGTA GACAGATACA					
25	TGAGAGTNNN CCANN	MONTOMBITO	OTOTOMBBBB	niddhiddhi	MOONGAAAN	135
	•••••					-00
	SEQ ID NO:6351					
	SEQUENCE LENGTH: 156					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07514					
	SEQUENCE DESCRIPTION:				maaamvam	
35	GATCAGGAAC ATGGCAAGGA					60
	ATATAATGCA GTGTTAAAAA ACAACTTTNT NCACAAGTAA			IAUAIIIUAA	AUUNIUAAAI	156
	nonaciiini nchchadiaa	CALUATION	11111111			100
	SEQ ID NO:6352					
40	SEQUENCE LENGTH: 134			•		
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07515					
45	SEQUENCE DESCRIPTION:					
70	GATCAAAAAG AAACTATGAG					60
	CCCTTTTCCT NACCCTACAG	TTAGTAATAT	TNCAATTAAA	NTANCTATAT	TCTNCTATAT	
	TTTNCCTGTT AAAN					134
50	SEQ ID NO:6353					
50	SEQUENCE LENGTH: 107					

	SEQUENCE TYPE:nucleic	acid		•		
	TOPOLOGY: linear					
5	CLONE: HUMGS07516					
	SEQUENCE DESCRIPTION:					
	GATCCACATA TETCTAACAC	CATTAATATG	AATCATTGGA	AATATTTTAC	TTATTAACAA	60
	AGTCTCTTGT GTTAAGCTAC	AGATAAAGCT	TTTGTGGTAG	TGTCAAA		107
10	SEQ ID NO:6354					
	SEQUENCE LENGTH: 350					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS07517					
	SEQUENCE DESCRIPTION:					
	GATCCAGAGA CATGTGGCAG	CAGGCATGGC	TTCCCCTTGG	CCTCTCTGTA	CACTGCCCCA	60
	GGACTGTCAT TTTGGCATCT	GCAAAGGAAT	CACTTTAGAA	AGCCAGCACC	TGGTTGATGT	120
	GTATTCATAC TGACATTAGA	TTGATGTGCA	CTGCAGGGGN	AANNGCGGTA	GCTGNCACAG	180
20	NAAAAGGATG TTTTGATAGG	AATAATTTTC	TAGTATGTCT	TGAAACATGT	TCATCTGGAA	240
	GTATTTTCCT CCAAAGTAAT	GTAGCATGAT	TTTNCAAGGA	TTGTTAACAT	GCCTGGGATT	300
	GGGAAAGNTA GGCCTAANGT	TGTGCCAAAC	TATATCAATA	AATTCCCTTN		350
25	SEQ ID NO:6355					
	SEQUENCE LENGTH: 137					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07518					
30	SEQUENCE DESCRIPTION:					
	GATCCCACTT GCATGCACCC					
	TGGTATCATA TTTATCTTTC	ACCATCTCAA	AAATTACAGT	TTTAAAAACT	CAAATAAAAT	
	TCATCACTAT AACCAAA					137
35						
	SEQ ID NO:6356					
	SEQUENCE LENGTH: 135	.,				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS07520					
	SEQUENCE DESCRIPTION:	ም ር ነም ነ ርጥጥም ነ	CCCCC LTTT.	CCTTCCCCTC	TACTOCCACT	60
	GATCCAACCC TTGCTAGGTA TCAGCCGCTT ACATGCACTC					
		ACCCIGITIO	IGGCIAIIII	AAATICATAT	INTINANAA	135
45	CAAAAAAAC CCAAA					100
	SEQ ID NO:6357					
	SEQUENCE LENGTH: 69					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear	attu				
50	CLONE: HUNGSO7521					
	CACITA . MULICIDU I JA I					

5	SEQUENCE DESCRIPTION: GATCCTGTCT CAAAAAAAAC CAAAGTAAA	ATAACCGACA	TCCAGAAGTG	AAATAAATTA	GCCAGTGTCA	60 69
10	SEQ ID NO:6358 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07522 SEQUENCE DESCRIPTION:	acid				
15	GATCTTAAAA NTACAAAATG GTAGCAGAGA AAAACTAATT TTAACTGAAG ACTAAAACTC ATTNCCATTT GGCTACCAAA	NNTCTGTGGC	AGTATTTTNA	TTTTNGGCAT	TTCCCAGGAA	
20	SEQ ID NO:6359 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUNGS07523 SEQUENCE DESCRIPTION: GATCTTGTAA ATATATAAAT GCTTTTNTGT ACATGGCGCT					60 115
30	SEQ ID NO:6360 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS07524 SEQUENCE DESCRIPTION: GATCTTCCCA CCATCACAAA TGCATTTTTC CTGTCTATTA CATTAGTTAA TATAACTNAT	TGGGAAACAT ATTGTTTAAN	CAGACGTTCT TCATGGTATT	GAGTAAGATA ACATGCAATT	TATCTCATGG NATATCAGAT	180
40	AAAAGCAGAA CACATTTTG ANTCCATTTA GTTTTATGTN GNATTCCTAG TAAANCNNN					
45	SEQ ID NO:6361 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07525	acid				
50	SEQUENCE DESCRIPTION: GATCCTAATT TNNTCACGAA AACTCTCTGT GTCCCTGTTG					60 120

	AATTAAAGGA AACAAACCAA	A				141
5	SEQ ID NO:6362 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7526	acid				
10	SEQUENCE DESCRIPTION: GATCTTTTGC TTAGACGTTA CCTAAGGCTT GATAAAGTCA		_		TCATCTCTGT	60 105
15	SEQ ID NO:6363 SEQUENCE LENGTH:392 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7527	acid				
20	SEQUENCE DESCRIPTION: GATCTCAGGC CAGCCGTTTG CCTAGAGAGC CTCATGGATT	GTAACTAAAG	AAGAAACGGT	TCCTTTTTGT	AAAATTTTT	
	ATNATTTTAA AATACCGTTT CATTGTCTTC CAGTGTTAAA					
25	AAGGAATGGG ATTTCCATCC NTTTTTAATG NAATCTGATG TTGTACCAGG NNTGNTATGG	NGGTGAGNTC	AGGTTTANAA			
30	SEQ ID NO:6364 SEQUENCE LENGTH:205 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07528	acid				
35	SEQUENCE DESCRIPTION: GATCTCCATT CCTTGGGCTC AGTGGGAATN TNTGGGACAC GGCTTAATGA AGAGAATGTT ATAATAAGTT TCAGTAGAAA	CTTGACCAAA GTTCATTCTT	GGGGAGCTTT	GTNTCGTGTG	TTTTGAAAAA	
40 .	SEQ ID NO:6365			•		
. 45	SEQUENCE LENGTH: 343 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
70	CLONE:HUMGS07529 SEQUENCE DESCRIPTION: GATCCTTTTC TACCCACTTT					
50	CTACCAGGGT CCAGGACTAA CTTAATCACC CTTGCTCCTC					
		~ * ~ ~ ~ * ~ ~ ~ *				

	GCGTTTTGTG CTTTGATGCC	${\tt AGGAATGCCG}$	CCTAGTTTAT	GTCCCCGGTG	GGGCACACAG	240
	CGGGGGCGC CAGGTTTTCC	TTGTNCCNCA	${\tt GCTGCTCTGC}$	CCNTTTNCNN	TTATTNCCTG	300
	ACTTCAGGNC TTGAAACNNT	TCCNGTGGTG	TAAATAAAA	ANN		343
5						
	SEQ ID NO:6366					
	SEQUENCE LENGTH: 332					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear					
	CLONE: HUMGS07530					
	SEQUENCE DESCRIPTION:					
	GATCTGTACT TTGAAAACAC	ATTGAGTCCC	TTTAACCAGG	${\tt AAGAACTCTT}$	CTGGGCGACC	60
	GTCCACATGT TCCTTTCCCT	TCCTAATGAC	${\tt GTGAAGTCTG}$	AACTCTACAG	AGCCTCTGTA	120
15	CCTTCTCTTT AAAGGCAGCT	CTGCTCACCA	${\tt GGAATTGGCT}$	ATAATNCTTT	CCAACTCTCT	180
	CATCATTTTA ATAGCTATCA	GCAAATGTAG	${\bf AGGTGTAGGG}$	${\tt GATTTTGTAA}$	CATCTGATGT	240
	ATGTAAAAAG ANATATTCAA	${\tt GTTGGAAGGC}$	AGNCTAGAAC	TGNCCTGNGA	GATGTTTGAT	300
	GTACACATTA AANNTAAGGA	ATTTTACATA	AA			332
20						
20	SEQ ID NO:6367					
	SEQUENCE LENGTH: 258					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS07531					
	SEQUENCE DESCRIPTION:					
	GATCAAGAAT GGCAAGAAAA	TCACAGCCTT	TGTACCCAAT	GACGGTTGCT	TGANCTTTAT	60
	TGAGGAAAAT NATGAAGTNC	TGGTTGCTGG	ATTTGGTCGC	AAAGGTCATG	CTGTTGGTGA	120
00	TATTCCTGGA GTCCGCTTTA	AGGTTGTCAA	AGTAGCCAAT	GTTTCTCTTT	TGGGCCTATA	180
30	CAAAGGCAAG ANGGNAAGGC	CNAGNTCACC	ATCCCCTAAA	TTTTTAAAAG	NAGTTTCACA	240
	AAGNINIGCA TATIINNN					258
	SEQ: ID NO:6368					
35	SEQUENCE LENGTH: 148					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07532					
40	SEQUENCE DESCRIPTION:					
70	GATCTGTACA TTATTGCATG					
	AAGAATATAT TGCTGTTTAT		GATATTTGTA	TTTNTNATAC	TTTTGTGTAA	
	TAATAAAAAT ACTGCTGTAA	ATATTAAA				148
	880 ID NO 6880					
45	SEQ ID NO:6369					
	SEQUENCE LENGTH: 344					
	SEQUENCE TYPE:nucleic	acıq				
	TOPOLOGY: linear					
50	CLONE: HUMGS07533					
	SEQUENCE DESCRIPTION:					

5	GATCTGATTC AAAGATAACC ATTACCCATC TITCCAAGGC CCATCTAAGT AGTACAGGTG 6 TITTGTCTTT TAAAATTGAC AGTCCTCTTT GCATTAAGTC TGTAGGGGGG GAATACAATA 12 TAAATATTCT NCTGTGTAAA CGTAAGAATG TGCTGTAATC TCCAGTTCCT TTGGATACCT 18 CAGAATTCTA TTTATTGTAT ACACTTATAC TGTTTATNCA ATGTTTTGGG TCTTACTCTT 24 TITGACGTAT TCTCATCAGT CTTCACTCTA GTTTGCAAGC NCTGAAGTTA TTGATTACGT 30 CTAATGTGCA ATTNGGCTTC TATTAANTGC TATTTNATGG TTCN 34	10 10 10
10	SEQ ID NO:6370 SEQUENCE LENGTH:292 SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY:linear CLONE:HUMGS07534 SEQUENCE DESCRIPTION: GATCTNTGTC ACACCCAAGC TGGTGGAGGA GCACCTCAAA AGTGCCCANT ATANGAAACC 6	
20	ACCCATCACA GTGGACTCCG TCTGCCTCAA GTGGGCACCC CCCAAGCACA AGCANGTCAA 121 GCTCTCCAAA GAAGTGAGCA GCCTGGCCCC TGCTGTCGGA CCTGAGCCTC CTGGCTNNGG 181 GNCTGTAAAT ATGTATAGAC CTGTTTTGTC ATTTTTTTAA TAAAGTCAGT TCTGGTGGCC 241 CTGNGACTTT GGNAGGGNAA GGGGGAGGCC ANAAANANTA AANGGGGGGA AN 291	0
25	SEQ ID NO:6371 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7535	
30	SEQUENCE DESCRIPTION: GATCCACCTG CCTTGGCCTC CCAGAGTGCT GGGATTACAG TCGTGANACC GCACCTGGCC 60 AATTTTAATA TTTTAACTGA AGATGTTTCA TATAATATTC AGCAATATAA AAATTACTAA 120 TGACTTTTTT GGTAAGAAA 130	0
35	SEQ ID NO:6372 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE: HUMGS07536 SEQUENCE DESCRIPTION: -GATCCTAACC GNAGGCCCAT CAATTGCAAC ATAGAGATAC ACATGGAAAG AGGGTTTAAC 60 AGACCCTCTC TNGGACACAN CTGTTTCTCC TTTGAGCANT ANTTN 105	-
45	SEQ ID NO:6373 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE: HUMGS07537 SEQUENCE DESCRIPTION: GATCCAGACC AGCGTCTGGC CCAAGCCATT CANAGGTGGG GTCTGGGGGNC TGGGGGTTTT 60)

	GTNTCGTGAC ACTTTGTCTC TGCNAAGGCC TGTGGCATCT			TTTNAATTAG	GCTTTCTNCT	120 151
5	SEQ ID NO:6374 SEQUENCE LENGTH:288 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS07538 SEQUENCE DESCRIPTION: GATCTNAGGC AGATAAAGAA	ACTTCAACTT	ATTTNAGAGA	GGAGGTAGGG	GATGGGGAGG	60
15	TCACAGAGAA CTCTGGGTTT AGTTCTGAGC CCCACAATGG NATATACACT AGATTCCAAA TTGTTTAANA CTGATTACAT	CTNCAGTTTA CCATAAGCAC GNCTTAGTAT	CTATGCCACA TTAACCACAG ACAAAAGACC	GCACCATATT ACCTAGTGAC ATAAAATATC	TCCGGGTATG GTATGTATAA	120 180
	SEQ ID NO:6375					
20	SEQUENCE LENGTH: 319 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS07539					
25	SEQUENCE DESCRIPTION: GATCCTCTAC CCCCGGAATG AGNATTCTCC CAGCAGGAAA ATTCGTNTGC CCTCGAGACA	ATGGCCATTN	CATGGACACC	AATGANTGCN	TCCAGTTCCC	120
30	GACCAACAAG AAGTGCAGTC TCAAGTGGCC TTTTTAGGTG TNGGGCCTCA NATCTTTGN	GGGGCTACGA	GCCCAACGAG	GNTGGCACAG	CCTGCNTGGC	240
35	SEQ ID NO:6376 SEQUENCE LENGTH:166 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07540	acid				
40	SEQUENCE DESCRIPTION: GATCTCTGTA TGNTCTGTGT TCCGCGGAGT GCACTCTTTT AGTTGTGTCT ATATATAGAG	TTNCAGTGTG	GCCCACATAT	CTTGTAAATN		60 120 166
45	SEQ ID NO:6377 SEQUENCE LENGTH:158 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE:HUMGS07541 SEQUENCE DESCRIPTION: GATCCAATGC CCTAAACTTT	ACATAAGAGT	TCCGGCAAGG	CTGTGACTTC	AACTTGTGTT	60

	GTAACTGCAA CCTGCAGAAT CAAATTTAGG GTTATGTTTT CAGTTGTATC AGTCTTACGG 1 CTACAAGATA TTAAAGAGAT TCTTTCCTGG TTATCAAA	120 158
5	·	.00
	SEQ ID NO:6378	
	SEQUENCE LENGTH: 323	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
10	CLONE: HUNGS07543	
	SEQUENCE DESCRIPTION:	
	GATCTCACCT TGTTGTGCAT CATAGAATTC ACACTGGACT AAAACCTTTT AAGTGTAAGG	
	ATTGTGGAAA ATGTTTTAGT CGAAGCTCTC ACCTTTATTC ACATCAAAGA ACCCACACTG 1	20
15	GAGAGAAACC ATATGAGTGT CATGATTGTG GAAAATCTTT CAGCCAGAGT TCTGCCCTTA 1	80
-	TTGTGCATCA GAGGATACAC ACTGGNGAGA AACCATATGA NTGCTGTCAG TGTGGGAAAG 2	40
•	CCTTCATCCG GNAGGATTGN CCTCATTANG CACCNGNGAT TTCATGTTNG NGNAGAGGCC 3	00
	TATANTIGIA ATCAATGGIN ANN 33	23
20	SEQ ID NO:6379	
	SEQUENCE LENGTH: 318	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
25	CLONE: HUMGS07544	
20	SEQUENCE DESCRIPTION:	
	GATCCTTCTA ATCTCCTGGA CCCTCCAGGG CACTCTGGTC CCTATTCCCC AGCTCCTAGG	60
	CAGCTGAGCC GGGTCCCTTA GGGGAGGTGA CCAGGAGCTT TGGTGCAGGG AGCTCTTNGT 12	20
	GGGGCAAAGG GCTGGACCCC TGCCAGGTCT GTGGACATGG TTATATGCCC GGNNGAGGGG 18	80
30	GGTACAGGGC CCCAGGGATG GCCCCCAATC CCACCTCTGT TTATTCTGTA AACTGCAACC 24	40
	TATAAATAAC CTTTAGCATT CCTATTTGTA ACAAAATTNG NNTTTNTGNA AATAAATTAT 30	00
	ATTTCCTAGT CTAAAAAA	18
	SEQ ID NO:6380	
35	SEQUENCE LENGTH: 77	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07545	
40	SEQUENCE DESCRIPTION:	
	GATCTTCTCT GCCTTTATTG TTTTGCCATT TCACTAAAAT ATGTTTAGAG ATATATAAAT 6	60
	NOTO COMPANY COMPANY	77
	SEQ ID NO:6381	
45	SEQUENCE LENGTH: 32	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS07546	
50	SEQUENCE DESCRIPTION:	
	GATCTCATTT TACAAGAGAA TCTCTCTGCA AA	22

5	SEQ ID NO:6382 SEQUENCE LENGTH:83 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07547	acid				
10	SEQUENCE DESCRIPTION: GATCTCTAAG TGTAGCTGTA GNAATAAAGT TTTTTAATGC		TTAATTTGGC	TTATATTGGN	CCTTTTAAAA	60 83
. 15	SEQ ID NO:6383 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07548 SEQUENCE DESCRIPTION:	acid				
20	GATCTATAAA GAAACATAAG TTTCAAAAAA TAAA	CTTAAAGTTG	TTTATCACTG	TGGTGTTAAT	AAAACAGTAT	60 74
25	SEQ ID NO:6384 SEQUENCE LENGTH:342 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07549 SEQUENCE DESCRIPTION:	acid				
30	GATCCAGACC TCTCTAATAT ATGACTAAAC ATAAGAAACT AAATCACAGT TTGAGAAGTT GCTGCTGAAG AAATCATCAA TTAATGTTTC TGTTAGATGA	ATCAGCCATC TGTNCGTTTT GGCATGGNGT	CCCGTTTCAG TCCTTCATTA GTACAGAAGT	CATTCTGTAA AAAAAGACAG CTTGATTTGT	CTCAGAGACT CACACTGGAT GCAGAATGGN	180 240
35	ATGTTAANNG ANTGTNGGAT	GCGTGGCCTG	GCGGTGNNNG	CN		342
40	SEQ ID NO:6385 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07550	acid				
45	SEQUENCE DESCRIPTION: GATCCTGTGT TTTGAGTCCC CCAACCCATC AACATCAAGC					60 118
50	SEQ ID NO:6386 SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

5	CLONE:HUMGS07551 SEQUENCE DESCRIPTION: GATCCAACAA ATTAACCATA CTTGICATTA ACATTTCAA GCATGTTGNT ATGCCTATAT CTATGTCATG TACAACTNTT CAGTAAAGTC TTTGTCAGGN	AAAACAAAAT NCTTGCAAAG ATAAGCNTTT	GCATATTGTA NATTCAATGT TTNCNGGGGT	ATATTTGGTA GTACTTAGCG	CATGACACTT GCGNTTAAAN	120 180
10	070 IN VO 4007					
15	SEQ ID NO:6387 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07552 SEQUENCE DESCRIPTION:	acid				
	GATCCAGGGA TGGGAATGGG	${\tt AGTGGGTAGG}$	${\tt AGGGGTAATG}$	${\tt CGGTCATTGG}$	AGTCGGGGGC	60
	TGGAACATTA TGAGTGCTCA	ATAAATATAA	ACTAATGAGA	AÀ		102
20						
	SEQ ID NO:6388 SEQUENCE LENGTH:338 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUMGS07553 SEQUENCE DESCRIPTION:					
	GATCCAGAGG TGGGTGCAGC					60
	GCGCAGTTCC CTTTTNATTT					
30	GCAAAAACC TCAAGGATTG					
	AGCAGGGTGT TTTCTCTCTT					-
	GCAATATTTA AATTCTCAGG			GAATGGANTT	CAGTTTTCAN	
	TCANGNTTTA CATTTNTGGT	GGCTTAANAA	NCNTTGGN			338
35	SEQ ID NO:6389	•				
	SEQUENCE LENGTH: 245					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
40	CLONE: HUMGS07554					
40	SEQUENCE DESCRIPTION:					
	GATCAGTCTT TTGAAATTGG	GATTCTAAAT	TAGAATGAGA	GGAGGAGCTG	CTAAAGCATA	60
	AAAATGGTAG GGGTGATTTT	GGTNTTTTAT	CCTAGTGACC	AATGTTGACC	ATTAATTGTA	120
	CATTATAAAT AATGTTTTCN	TCTGGGACTT	TTTGCACTTA	ANGCTGGTAA	TTNTNATCAT	180
45	AGGGCTTCAA ATACAAAAGA	NTTGTATGCG	GTNTTCAGAA	AATAAACATG	CTCTTTGCAT	240
	ATAAA					245
	SEQ ID NO:6390 SEQUENCE LENGTH:345					
50	SEQUENCE LENGIN. 343	: 4				

5	TOPOLOGY: linear CLONE: HUMGS07555 SEQUENCE DESCRIPTION:					
	GATCTTNACG CGNCTGGGGG CACAAACTGA AAGAAAAAGC					
	TCCCGAGCGC GGATGNTGAG					
	CACAACGCTC TTTTGAAGGC					
10	AAGAAGNCAT ACACGTCAAA					
	TNGNCAGGCG TTCCAGGNTA				CATCTCAACC	345
	SEQ ID NO:6391					
15	SEQUENCE LENGTH: 343					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07556					
20	SEQUENCE DESCRIPTION:					
	GATCCCCTGC TGGTCTCTGG					
	TNACTTTAAC GCTTTCTAGG TCCTTTGCAA AGGCTACTTA					
	TATCCTCTTG CCCATGGCTA					
05	AATAACTAAA GGCCTTTGCT					
25	CAACATGTGA NGGTTTTTGN				011100.01111	343
	SEQ ID NO:6392					
20	SEQUENCE LENGTH: 185					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS07557					
	SEQUENCE DESCRIPTION:					
	GATCAAAAAT TGTGGCCATC	TTTGCAAATN	ACTACCTNTA	CCCTCTNAAA	ልፐልሮልፐፐሮል	εn
35	AAAAATGTTA TGTGCAATGA					
	TTTAAAAAAN ATCGAAGAGC					
	TNNTN					185
40	SEQ ID NO:6393					
	SEQUENCE LENGTH: 68					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUNGS07558					
45	SEQUENCE DESCRIPTION:					
	GATCATTTCT TGTAATGTTT	TGAGAGTAAT	GCATACAGAA	ATATAATAAA	NTGTGTTGAA	60
	ACTGCAAA				-7	68
50	SEQ ID NO:6394					
Ju	SEQUENCE LENGTH: 163					

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07559 SEQUENCE DESCRIPTION:
	GATCCCCATT GTGTATGANC TGAACAAGGA GCTGAAGCCC ACCAAGCCCA TGNAGTTCCT 60 GGGTGATGAG GAAACGGTGC GGAAGGCCAT GGAGGCTGTG GCTGCCCAGG GCAAGGCCAA 120 GTNAGGGGTG GGCTTGGGCA ATAAAGGCAC CTCCCCCAAC AAA 163
10	SEQ ID NO:6395 SEQUENCE LENGTH:275 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE: HUMGS07560 SEQUENCE DESCRIPTION: GATCAACTCC CACTCATCCT GCAGATTTAA GCTTGGATGT CACCTCCCGA GGGACGCTGT 60
	GCCTGCCTCC CTCGTCAGAG CAGGTGTTGT CATCTACTCA CAGAATCTGG CTTCCTTCCA 120
20	CAAAGCACCC CCGTGAGCAT CTGTTTAACA TTGTCTCTCC ACCTAGACTG TAAGGTCCGT 180
	GAAAGCAGGG ACCACACCCA TTTGTGCTCA CTTGGGACCT ACAGCCTCTA ATCCAGAGCC 240 TGACACAAAC CTCAATAAAT ATTTAAGGAC TGAAA 275
	SEQ ID NO:6396
25	SEQUENCE LENGTH: 131
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS07561
	SEQUENCE DESCRIPTION:
30	GATCCGGGAC CTTCANACCC AGGGAAAGGG TGAGGGAGAC TGGGGCCTGG TCTGCTTTCC 60
	CGGGCCTGAA AGCTTCCCCG AGGTTTGCAG GGTCAGGNAG GAGGAACGGT GGGGGNNGGC 120 AGTCACTGNN N 131
35	SEQ ID NO:6397
	SEQUENCE LENGTH: 359
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear CLONE:HUMGS07562
40	SEQUENCE DESCRIPTION:
	GATCCATTTA AAACAAGCTG ATAGTGTTTC GTTAAGCAGT ACATCTTGTG CATGCAAAAA 60
	TGAATTCACC CCTCCCACCT CTTTCTTCAA TTAATGGAAA ACTGTTAAGG GAAGCTGATA 120
	CAGAGAGACA ACTTGCTCCT TTCCATCAGC TTTATAATAA NCTGTTTAAC GTGAGGTTTC 180
45	AGTAGCTCCT TGGTTTTGCC TCTTTAAATT ATGACGTGCA CAAACCTTCT TTTCANTGCA 240
	ATGCATCTGG NAGTTTTGAT ACTTGTAACT TTTTTTTTTT TTNGGGGNNN ANTNTTTNNG 300 GGNCCAGGGG TTTTTTTTNG GAACCCCTTG GGCNNTGGCC CNGGGGTACC CGGCNAGNN 359
	GUNDEAGGG TITTITITING GAACCCCTTG GGCNNTGGCC CNGGGGTACC CGGCNAGNN 359
	SEQ ID NO:6398
50	SEQUENCE LENGTH:61

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07563 SEQUENCE DESCRIPTION: GATCTCTGAC GATACCTGTA A		GTGTAAATAA	AATTNCTGGT	ATGAAATNAA	60 61
10	SEQ ID NO:6399 SEQUENCE LENGTH:367 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07564	acid				
15	SEQUENCE DESCRIPTION: GATCCTGTGG GAAAGAAAA TCTCTGCAGG AAAGAAAAGT	CATTTTAATA	AAAACCAAAA	TAATTTATAA	TAATTGTNGC	
20	CTTTCCCTCC CCATCCTCTC TCAAGGAGGG CAGAAGAATT TTACCTGTCA TTTAGGGCAA CACAGTTGCA AAGTGTGTTG NANNNNN	TTTTTTAAAC AANTCCAGTG	TGTAAGAAAN TCCCCAGCAC	TGTTCCTAAG ATGGTGACCC	TTTAGATTTA AACTNTGTCT	240 300 360
25	SEQ ID NO:6400 SEQUENCE LENGTH:379 SEQUENCE TYPE:nucleic	acid				367
30	TOPOLOGY:linear CLONE:HUMGS07565 SEQUENCE DESCRIPTION:		+TOTOGETCO	COMPONENTIAL OF	CMCDNA DA A C	20
35	GATCAGGAAC CAAAAAGAAG CCTTCCCAGT TGACTGAAAG TTCAAGAAGC TTTGAGCAGA CTGTACCTGG AGCCATCTGG CCATCCTAGC CCATCCCAGT GTTGGTAGTC CCATNTCAAG TAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	ATGAGGCTAG ATGAAGTGGG GATAAGACTT TTATCCTGTA	GCTCTAGCAA GAGGACCCAG TGACCCATGA TCATTTGAGC	GTTGAAGTCA CTTCCAGCCC CTCCCATATC TGGGNTTCCA	AACCAGCTCC AGGAAGCCCA CACAGCCTGT CATCCTCTGA	180 240 300
40						013
45	SEQ ID NO:6401 SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07567 SEQUENCE DESCRIPTION:	acid	·			
	GATCGGGGTA TGAAGTGTGC GGCATCCAGC ACAGGTTCTG	GCAGGGCACC	CCTGCTGGGG	TTGGGGGCTG	GTCTGTGCAT	120
50	AATCCTGGAC TGTGATGGGA					180

5	SEQ ID NO:6402 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07568 SEQUENCE DESCRIPTION: GATCTTCAGT TGTATTTTNG		AATACATCTT	TTTCAATTTC	TGAAAACAAA	60
10	SEQ ID NO:6403 SEQUENCE LENGTH:176 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS07569 SEQUENCE DESCRIPTION: GATCCGGTGC TACGGGAAAC	ልተተተተረረተልል	GATGCCCATG	AGAACAGACC	AACATGTGTA	60
	CAGCACTATG AGCATTAAAA					
	AAAANCAAAC ACTGTAACTN					176
20		011111111111111111111111111111111111111	dilimololi	occiainnec	TTOAKA	110
	SEQ ID NO:6404 SEQUENCE LENGTH:360 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGS07570 SEQUENCE DESCRIPTION:					
	GATCTTCCCT GCGGCCTCTG					60
20	GCTTCTCTCT CAGGACCTCT					
30	GGCACTGGAG CTGGGGTGCA					
	CAGGGCCCTG CCCAGCTTCA					
	CAGAGCTGAA CATAGACTTG	CACTTGGATG	TCACCTGGAG	TGTNACATGG	GAGTGTTATG	300
	GCAGCATCAT ACCAAGGCCT	ACTGTTGCAC	ATGGGGCCAA	AACCAGTAAA	CAGCCACCTN	360
35						
	SEQ ID NO:6405					
	SEQUENCE LENGTH: 32					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS07571					
	SEQUENCE DESCRIPTION:					
	GATCTNACTA ATAAATGAAG	GGAAAAAGGA	AA			32
	CEO ID NO. CAOC					
45	SEQ ID NO:6406 SEQUENCE LENGTH:219					
	SEQUENCE TYPE:nucleic	naid.				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS07572					
50	OBONE, HUNGOUT STE					

	SEQUENCE DESCRIPTION:	
	GATCTGGTCA TTTAAAAGTG TGTGGCACCT CCCCACCACC TCTNTCTCTC GCTCGCTTGC 6	n
5	TCGCTCCTGC TTTNACCATG TNATGTGCCT GCTCCCCCTT TGCCTTCCGC CATGATTGTA 12	
	NGCTTCCTGA GGCTTCCCTA GAAGCAGATG TCAGCATTAT GCTTCCTNTA CAGTCTGCAG 18	
	AACTGTGAGC CAATNAAACT TCTTTCCTTA TAANTTAAA 21	
	SEQ ID NO:6407	
10	SEQUENCE LENGTH: 347	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07573	
15	SEQUENCE DESCRIPTION:	
••	GATCCAGTTA CATGTATTAT NNTTTTCCTA CCTTATGGAC TATTTTGGAG GGATAAGCTA 60	
	TTAAGACTAA GACTATGNGT GANAGTNGGG GAAGGAGCAG GAAGGGAGGA ACCTGCACAC 120	
	CACATTGGAA CCNGCACACC ACATTAACAC AAAGGCAATC TTCTGGCTCG GACTGTTCTT 180	
00	TACTACTGTN CTTAAAGAAA ATGTTCATTC TGCTGCAGCT ANCTAGCCTC CATCTNCTAC 240	
20	ACCAMATACT ATTCCATGCC ATGGAAGTGC TATGCAATAA CTNTCCCAGG TAGGCACCTT 300	
	ATACCCGCTT AAANAGNCTT TAAANATNTG CANTTTTGGT NGGNGTN 347	,
	SEQ ID NO:6408	
25	SEQUENCE LENGTH: 208	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07574	
	SEQUENCE DESCRIPTION:	
30	GATCACTCCT TATTTGCTGT TATTTTNGTN CTCTTAACCA TACATTTCCC AATGTTTAAA 60	
	GGGTGGTATT TNGAGAAAGT NAATGGGTTT TGTAAGTGCC AGCNCTTTAT ATAAGCAGGT 120	
	AGACTAGCTT TTNCCCAGCA GACGCTTGTC TGTNTAGACT TCCTTAAAAN AATTATCTTC 180 AAATAAAGCA AAATCTCCAT AAAANGNN	
	AAATAAAGCA AAATCTCCAT AAAANGNN 208	i
35	SEQ ID NO:6409	
	SEQUENCE LENGTH: 318	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUNGS07575	
	SEQUENCE DESCRIPTION:	
	GATCCATAGA CTTAGCAAGT CTTGCCTTAT CTATGGAGCT CGATGGTGAG AATTGTNACC 60	j
	ATTGTCTGAT GTCCATAGTT CCTTCCCCCT AGATTGTTTC TTTCCACGGA TTGTGTTCAT 120	ļ
45	CTGAACCATT NNATTTTTAA TTTACCAAAG TACTGTACTT GGCTATTTGC AGTGTTTTCA 180	
45	AAACCAAATG TTTCTNTTTT GGTGTTTTTA ATCTCCGATA CTTGGTGCAA TAGAAGCTGC 240	
	AAAGATGTGC CACTTNATCT ATGAAATGGA GTNTTGTATA CCAATAAATN CTAGTTTAAA 300	
	AACANTTNAN NANNNANN 318	
50	SEQ ID NO:6410	
	SEQUENCE LENGTH: 233	

	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07576					
5 .	SEQUENCE DESCRIPTION:					
	GATCTGTTAA GGGGTGGATA					
	TATTCAGTTC ATTCACCTGA					
	AAATTGATTA TTTNCATTGT					
10	TTTNCTCTTC TNGTTAACTA	GICATTIGAC	TGUNAANNNA	TAANAINCII	11N	233
	CEO ID NO.CALL					
	SEQ ID NO:6411 SEQUENCE LENGTH:105					
	SEQUENCE TYPE:nucleic	aaid				
46	TOPOLOGY: linear	aciu				
15	CLONE: HUMGS07577					
	SEQUENCE DESCRIPTION:					
	GATCCCACGA GGACCACTNT	GTAATTGNCA	GGGGGCTTCC	AGNNAAGACA	CTGAACCCTG	60
	AAGCCGTGGT CTGGGGCAGG				01000010	105
20						
	SEQ ID NO:6412					
	SEQUENCE LENGTH: 101					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS07578					
	SEQUENCE DESCRIPTION:					
	GATCACCTTC CCACTTCATC	CATCCCCACC	CTTCCAGCTC	CCCATCCATC	CTGCTGAAAG	60
	CATTTCCACC ACTCAATAAA	ACCTCGCATT	CATCCTTCAA	A		101
30						
	SEQ ID NO:6413					
	SEQUENCE LENGTH: 332					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS07579					
	SEQUENCE DESCRIPTION:	0001000100	00000000000	************	01000010mm	co
	GATCAGAAGG AATCCGNCGA					
40	CATCTTATAG ACTGTTAAAC ACCACGCACA GNTTTCCAGT					
	GTGAGGCCAC TCATGCCTGT					
	GAAGGTCAGG AGGTTCAAGG					
	NCCAAANTNG AAAAANCCAA			dominimon	000111111111	332
	MOOIMMUM DITTIBUTE					
45	SEQ ID NO:6414					
	SEQUENCE LENGTH: 129					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS07580					

	SEQUENCE DESCRIPTION:					
	GATCTACCAG CATAAATATC	TNCTNATTTG	TCCCTATGCA	TATCANTTGA	GCTTCATATA	60
	CCAGCAATAT ATCTNAAGAG					
5	TAATGTGNN					129
						120
	SEQ ID NO:6415					
	SEQUENCE LENGTH: 257					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS07581					
	SEQUENCE DESCRIPTION:					
	GATCTAGAGG AATTAGTCAT	GACATCAAGA	A ACCA CTCTA	*******	LCLLLTOLL	
15	GATGAAAGAG AAGTAAAAGA					60
75	ANTTCCTCAA ANTCTCCAAA					
	TTCAGATGTC AGTGGGAGCC					
		ICCAGGIGGG	NUUNUAUCAI	GCCTAANCCC	TGGTGGCCAT	
	TGTNCTGTAC TANGGAN					257
20	CEO ID NO CALC					
	SEQ ID NO:6416					,
	SEQUENCE LENGTH: 138					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS07582					
	SEQUENCE DESCRIPTION:					
	GATCCACAAG GCTTCTGTAT					
	ATCCCAAAGG AGAGCTACTG	TACTGACTGT	ACTTGTGGAA	TNCAGCGCTT	CATTAAATTA	120
30	AGTTTATTAA AATGCAAA					138
30						
	SEQ ID NO:6417					
	SEQUENCE LENGTH: 331					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS07583					
	SEQUENCE DESCRIPTION:					
	GATCTAATGG GACACGGCCA	GTGCCTAGGG	GTGCCAAGTC	CAAGGCCTCC	CACTGGGNGT	60
	AATCGCTGAG AAGATGCCAA	TNTTTCATCC	ACCGGCTGCA	CAGGCACAAA	CTCCCCCACC	120
40	CAGGACGGCT GTNATGAGGT	GGCCCTCCCT	NTNAACCCTG	GTCCCTGGAG	TCCCCAGCAC	180
	CTGGGGCCCT GGTGGGGCTG	ATGTCACAGG	TGTTTACTGT	GCTGCTGCAC	TGGTCCTATG	240
	NCAGCTTCAC CCCATGTGGG	GACCACGGAA	GGNACAATNC	CTTACCCCCG	NTTGCCGGGN	300
	CCGTGCGGTN NNCAAGANGG					331
45						
	SEQ ID NO:6418					
	SEQUENCE LENGTH: 337					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS07584					

	SEQUENCE DESCRIPTION	ON:				
	GATCCAGCTT ATCCTTT	AAT TTCAAAGTCC	ATTCTTGGGG	СТЕСТЕССВА	GGCAGGAGAA	60
	TACCCCTCCC TAAGCCC					
5	GAGACCTGGG TGGTGAC					
	GCTTGATTTT ANGGTTT					
	TCCCAAGANN TGTGTGG					
	AATTTCTGGA GCANGGNO			Iditudical	CITICOCIA	337
		oo ranamicom	UCCANAN			331
10	SEQ ID NO:6419					
	SEQUENCE LENGTH: 350)				
	SEQUENCE TYPE:nucle					
	TOPOLOGY: linear	ic acia				
15	CLONE: HUMGS07585					
7.5	SEQUENCE DESCRIPTION	IN ·				
	GATCATGGAT GTAGCATA		CCGAGACCTT	TCCAAAATNA	<i>ርርርቲ አርቲቲር</i>	co
	TTNATTTTGC CAGATTAT					60
	AGTACTTCAT AGAATTAT					
20	TTCCTGAGAC TGGGTGCA					
	GTCTAGAGCA ANTTGTAC					
	NTGGGTGCCT TAGANGTN				GNNCACATIT	
	WIGOGIACCI INGKNOIN	di Millincald	IGIGCIAAIN	IGCAGILION		350
05	SEQ ID NO:6420					
25	SEQUENCE LENGTH: 362					
	SEQUENCE TYPE: nucle					
	TOPOLOGY: linear	ic acid				
	CLONE: HUMGS07586					
30	SEQUENCE DESCRIPTION	N·				
	GATCCAGGGT CTNAACCG		CACCCCATCC	CCCCCACAGG	1000000010	
	GAAGAGGAGG AGACAGAG					60
	CCCTGGGCCA GGTTTAGA					
	GACACCCTTG TTTCCGGT					
35	CTTTGGGGTC CAGCTGCC					
	GGCTGTGGAA ATAAATCT					
	GN ATAMICI	II GCCIGNIGGG	NIAAAAAAA	ANIAINANNI	GIGNNNNGIT	
	UN					362
40	SEQ ID NO:6421					
	SEQUENCE LENGTH: 114					
	SEQUENCE TYPE:nucle					
	TOPOLOGY: linear	ic aciu				
	CLONE: HUMGS07587					
45	SEQUENCE DESCRIPTION	N·				
	GATCTNCTCT CCCACCCA		CCACCCCCAC	ጥርር እ አ አ ር ጥር ጥ	ATACACAGG	
	GTGGTCTCTT CAATAAAG					
	UIGGICICII CAMIAAN	AN GIGIIGALIA	UNCCIUNATI	TOTOGROUTA	IAAA	114
50	SEQ ID NO:6422					
	15 110.0145					

5	SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07588 SEQUENCE DESCRIPTION:	
	GATCTTTGCT ACTGGAGTCC TTTAACAACA CCTATAACGA TAAAAAATTC CTAATTNTTA	60 62
10	SEQ ID NO:6423 SEQUENCE LENGTH:96 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS07589 SEQUENCE DESCRIPTION: GATCCTTCAT ATTTAATTAA AAGTGTTCAT TCAGGTAAGG TGTATGTTGA AATTTTNCCA	60
	ATNATCTTAA TAAAACCTGG CAATTTAAAA NCCAAA	96.
20	SEQ ID NO:6424 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
25	CLONE:HUMGS07590 SEQUENCE DESCRIPTION:	
	GATCTATTTA THTAAGTATG TAGTAAACAA TATCTHAAAG TGTCCGATTC ACTACTTGTA	60 88
30	SEQ ID NO:6425 SEQUENCE LENGTH:314 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGS07591	
35	SEQUENCE DESCRIPTION:	
	GATCAGAAGA AGCTACAGTT TINTTITAAA CITGAAAAAA AATTAAGAAG TATTAAGGAA (AAAGCTTAAT ACTCTGGAAA CCAGACATCT GGTCTTTCTC ATGCGTAGGG AGCAGTGTAA 1:	60 20
	ATGAAAGTGA AGTCAAACGG ACAGTTTTTT NCTGCATTAT GCACAAGGTG TTTTAAATTG 1	80
40	TCAGCTTAAG GTTTAGATGA NGATAATCTT TAACTTTGTT TACAATTTTG NCTATTTNGC 2-	
	ATTATCCCCC TTTTNCCATA AAANNTAANG TGAATATGTG TGCATATNNN TNTNGAGTCA 3 NAATTAAACT TATN 3	00 14
45	SEQ ID NO:6426 SEQUENCE LENGTH:91 SEQUENCE TYPE:pucleic acid	
	TOPOLOGY: linear	
50	CLONE: HUNGS07592	
50	SPULLENCE LIESCHICHUS.	

	GATCCTGTGG TGTTGTATAA AAAAATAAAC ACAAAGTTGT			ACCCATGACA	AGATTAAAGC	60 91
10	SEQ ID NO:6427 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07593 SEQUENCE DESCRIPTION:	acid				
15	GATCTTGTGC TATAACTTTT GTAGGTGTNT AAATATTTTT AA					60 120 122
20	SEQ ID NO:6428 SEQUENCE LENGTH:293 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07594	acid			·	
25	SEQUENCE DESCRIPTION: GATCCTAACC CCTGCAGGGC CCACCAAGAC AGCCCCAGAA CTGGCTTTTG TGGGACTCAG GGCAGCGCTC ATAGCGAAAG GAACTTAAAA ATTCAATCAA	GGAGCAGCCA AAAGGGAAGC CCTACTGTAA	GCTGGNATGG AGAACTGAGG TATGCACCCA	GAACCCAAGG GCTGGGATAT TCTNATCCAC	CTGTCCACAT TCCTCATGGT GTAGTAAAGT	180
30	SEQ ID NO:6429 SEQUENCE LENGTH:209 SEQUENCE TYPE:nucleic	aoid				
35	TOPOLOGY:linear CLONE:HUMGS07595 SEQUENCE DESCRIPTION: GATCTGAATT TGTAAGTTAT		GGGGGAGCAG	GAAGCTCCCC	GTTTGC &C & &	60
40	AGGGGGATTT GTTTGCACAA TCATATTTAG TGATTTCAAA ACACACTTCT NGGTTGGTTT	AGTTCACTGT AGCACACATT	AAATACTGTG	AGANTNGANT	TCTGAAAAGG	120
45	SEQ ID NO:6430 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07596 SEQUENCE DESCRIPTION:	acid				
50	GATCTCCCTC AGTNTGCCCC TTTTGTTTGT TTGTTTGTTT TCCACTCCTC ACATTCCACG	CAGGAAAAA	GAAAGGGAGA	GAGAGGAAAA	TAGAGGGTTG	120

	TAAAACCATT TTCCTGCAAA					200
5	SEQ ID NO:6431 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07597 SEQUENCE DESCRIPTION:	acid				
10	GATCTNATTC CAGGATTGCT TTTCCCAAGA CAAAGATGTC GTATTATTAA A					
15	SEQ ID NO:6432 SEQUENCE LENGTH:42 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS07598 SEQUENCE DESCRIPTION: GATCCTGAGC TGTCCCATTA	AACATGGCCC	TGTCTCGGTA	AA		42
25	SEQ ID NO:6433 SEQUENCE LENGTH:332 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07599	acid				
30	SEQUENCE DESCRIPTION: GATCCACTAG ACAGTTTNCA ATTGATTCAA TGTGAACGAT TGCTGTTTAG TATTCGTTTG GGTTCAGTGG CAGCAATGAA	TACGGTCTTT ATATTGTNAC	ATGACCAAGA TTTTCACCTG	GTCTGAAAAT TTGAGCCCAA	CTTTTTGTNA ATNCAGGATT	120 180
35	CTCTGTGTCA AACCTGTGGC ANTATACTAA AAGNCTTTAA SEQ ID NO:6434	CACTCTATAT	GCACTTNGGT			
40	SEQUENCE LENGTH:224 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7600 SEQUENCE DESCRIPTION:	acid				
45	GATCAATACG GGTCTATTTT CAAGATTGTN AAATTGAGAC GTGAATGGNC TGAAATGTTA GTGTTTGCAC TATACTTNCT	AAGTAATTGA AATGTGAATG	ATAATTTGTC TNCATTTCTN	CTATTTTAAT AATTGCAACT	TTTAAAAAAA	
50	SEQ ID NO:6435					

. 55

5	SEQUENCE LENGTH: 188 SEQUENCE TYPE:nucleic acid TOPOLOGY: linear CLONE: HUMGS07601	
10	SEQUENCE DESCRIPTION: GATCAAAAAG CACAAAGAGC TGGGGCAGAG GCAGGAAGCA GGGGCCCTCC TGGCAGCTCC TCTNAGTGGG GAGAGGTTGG GCAGTGAGTG AGGGACCCCT AATGCAGGGN CTAGAAGCCT 1 CANTITCCCC NTTITACCCT TCCACACAAT AGCCTCTGTA GGNNAGGCTG CCCCATNCCA 1 CCNGGNTN	20
15	SEQ ID NO:6436 SEQUENCE LENGTH:256 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07602 SEQUENCE DESCRIPTION:	
20	GATCTAGGAC TAANACTTAA AATGTGGTTG GAATCTCACT CAAGGCCTAC CCACCTAAAA 6 CTGCGTTCTA GCAATTGCAT GCTGACTGCA CCTATGAGTC GTAAGNCTGT AGTTGCAAAG 12 TGTGTCTAGT TTNANATTCT TTCTAAATAC TGGTACGGGN AACAGGCATT CCAGNACTTG 18 TGGCTTGCTG GNGGTGGTNT GAGTNATGNG GAATCTTGGG AAGGGGTTCC TGCCCCTGGG 24	30
25	SEQ ID NO:6437 SEQUENCE LENGTH:240	,,
30	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7603 SEQUENCE DESCRIPTION:	60 20
35	GGGGTTGCTC ACAAATACTA GGGGTTTTTG TTGTATTTTT AACAANTATA TCCTAATGTC 18 ATATTNATNC TCTTTTGTAA CTGCTGGTCT TTACANTAAA GGNGTCATCT GCCTTTCAAA 24	
40	SEQ ID NO:6438 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7604 SEQUENCE DESCRIPTION:	
45	CATCAGARGA GETTOTOGA GA TOGA GATON G	
50	SEQ ID NO:6439 SEQUENCE LENGTH:321	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07605 SEQUENCE DESCRIPTION:					
	GATCCGCCTG CNTCGGCCTN CCACTCCCTT GAGACCCAGT	CCAGAGTGCT TTCCACGTCT	GTNAAATGGG	GGAATACCCA	CAGTGAGAAT	120
	TAGATGAGAT AGATGCATTT					
10	GGGTAGCTGT TACAAAGTGC					
·	TTTTCCCACA GGTGGCAGCT AATTGCCTCA TTCGGTANTG		AGCATTAGAA	CAAACCATGC	TGGGTTAATA	300 321
	SEQ ID NO:6440					
15	SEQUENCE LENGTH: 123					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07606					
20	SEQUENCE DESCRIPTION:	+ 0.0 m m m o m o m	Ma . mammana	mmm		
	GATCTTTGTC CAGAAAATAA ATATGCACTT AAGANTATGT					
	AAA	UIACAAUAAA	AIAGIIICIA	AAAIAAAIIG	AAATGTCTGC	
						123
25	SEQ ID NO:6441					
	SEQUENCE LENGTH: 284					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS07607					
30	SEQUENCE DESCRIPTION:					
	GATCCACTCT GGACACTCAA					
	CATCATCATC ATCTCATGCC					
	CTCTTACTCC CATTINTGCT					
35	TGGAAATGTA CTGCAGGCTC AGCTCTTTGC TATTGAAATA				GACATTTTIN	
	AUCTOTTING TATTOANAIA	ATAAACCACC	CIGITCIGIG	GAAA		284
	SEQ ID NO:6442					
	SEQUENCE LENGTH:215					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07608		•			
	SEQUENCE DESCRIPTION:					
45	GATCTGGTAC GNGGTGGACG					
	CGACCGGCAG GCCTCCAGCC					
	ACGNGTGTGT ATAGTATCTG			CTTGGTGCAA	AANCAAANTG	
	GGGAANNTAA GGATAACTCA	GNATITCAAA	AUGAN			215
50	SEQ ID NO:6443					

5	SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07609 SEQUENCE DESCRIPTION: GATCTNAGAC TTCTCACGTC A		AGCAATAAAT	GTCTGTTGTT	TATAAATTAA	
10	л					61
	SEQ ID NO:6444 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS07610 SEQUENCE DESCRIPTION: GATCCTTGCT CTACCTGGCT CTTTTACAAC ACAAA	AGAGTTTCTN	CTCATCAGAG	CACTGGGACA	TTAAACCAAC	60 75
20	SEQ ID NO:6445 SEQUENCE LENGTH:207 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUMGS07611 SEQUENCE DESCRIPTION: GATCTCAGCT CAGAGAGAGA	GCATGAGGTC	TTTTTTAACT	GTCAGGAAAC	AGAGETGTGC	60
30	CCAATTCCAC TCAACTTTTG GTTTCTGCAA GCATAGCATT AATAAAGTTC ACTCTTAACT	TTAGACACCC			•	
35	SEQ ID NO:6446 SEQUENCE LENGTH:307 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07612	acid				
. 40	SEQUENCE DESCRIPTION: GATCTGATAG TGGTAGGTCT AAGTCAATTC CTATCATTTG AGGTTTCGCC CACGTTATTT TTTGAAAATA GTAACAAAGG TGAAAGTCAG GCATGTCTTT GAAATTN	TACTTGACAC ATATAAAGTA TAACCCAAAC	CAGCTACCTA TCTCAGTGTA GAGAAACTCC	GCAGGCTCAT ATATAGGGAG ATTTCCATAA	TGTGAACTTC TTGCTGGTTA TTNGCTTTCC	120 180 240
50	SEQ ID NO:6447 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

	CLONE: HUMGS07613				
	SEQUENCE DESCRIPTION:				
	GATCTGCCTG TTTATTTTGG TGG	GGTGGTCT TTCCTCCCTC	CCCTACCACC	CATGCCCCCC	60
5	TTCTNAGTCT GCCCCTGGCC TCC	CAGCCCCT AGGGGACTAG	CTGGGTTGGG	GTTCCTCGGG	120
-	CCTTTTCTCT CCTNCCTCTT TTC	CTTTCTGT TGATTGTCGC	TCCAGCTGGC	TGTATTGCTT	180
	TTNAATATTG CACCGAAGTT TTT	TNAAATAA AATTTTAAA			219
10	SEQ ID NO:6448				
10	SEQUENCE LENGTH: 272				
	SEQUENCE TYPE:nucleic aci	id			
	TOPOLOGY: linear				
	CLONE: HUMGS07614				
15	SEQUENCE DESCRIPTION:				
	GATCTGGTGT AGTATATTT ATC	CGCATTTT CTTATATTAA	AAAATGTCTG	CATGATTACA	60
	TTTTATTTCC TTTGTAATTT ACA	ATTICAGA ATAGTGTATT	GCTATATGGG	TGCCAAGATT	120
	GANTATGAAG AACCCGAGTN TTT	IGIAGIAI TATAGITITA	AGCAAATCTG	TGTGGTGATA	180
20	CAGCCATAAG ANTGGGGCTT ATA TTAACTTTAT AAATTGTATA TGA		AGALITIGIA	CAGAGAATTT	
	TIMOTITAL MARTINIANA TUA	MCAIGIA NA			272
	SEQ ID NO:6449				
	SEQUENCE LENGTH: 300	. 1			
	SEQUENCE TYPE:nucleic aci	d			
25	TOPOLOGY: linear				
	CLONE: HUMGS07615				
	SEQUENCE DESCRIPTION:				
	GATCCACCCG CCTCAGCCTC TGA	AATTGTT GGGATTACGG	GCGTGACACN (CGCGCCTGGC	60
30	ATGTATATCA TTTTNNATTG TGT				120
	AGTTTTCAAT TTAACTTGTT AGT	TTCTGTA GTGGCAAATC	CTTGTGTTTG (CAATATTGGA	180
	TTATTTCTCC ATAAGAGTTT CAC	CATTTCTC CTGCTAGGAA	ATCCATGGGG A	AATATTGGAA	240
	TTGGGCTAGT TTTAATNNNA TNN	CTAATGT TTAANGGTTC	TGAAAAANAT 1	TGGCGNCAAA	300
35	SEQ ID NO:6450				
	SEQUENCE LENGTH: 286				
	SEQUENCE TYPE:nucleic acid	ď			
	TOPOLOGY: linear	·u			
40	CLONE: HUMGS07616				
	SEQUENCE DESCRIPTION:				
	GATCTCCACT TTNCCAAAGG GCT	GCNAGAG GTGATTGANA A	AGAACCGGCC 1	FGCTGATGTN	60
	AGGGCGTCCA CTGCCCCCAC ACCO	GTCCACA GCAGCTGTCT (GAGCCCTCAA T	CCCCAAGCT	
	GGCAGCTGTC ATTCAGGACC CCA				
4 5	GTAGTGCCCC CTCTAACCCC CAG	TGCCACA GAGAAGACGG (GATTTGAAGC T	GTACCCAAT	240
	TTAATTCCAT AATCAATCTA TCAA				286
	SEQ ID NO:6451				
50	SEQUENCE LENGTH: 97				

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07617 SEQUENCE DESCRIPTION: GATCTGTGCA GAGAGAGATG GCAGCCACTC CCTTCAGTCC TCCCAGATTT CTGTAGCTAT TTATGTAGCA GGCTCAATAA AATGTCTTCT CTCTAAA
10	SEQ ID NO:6452 SEQUENCE LENGTH:113
15	SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07619 SEQUENCE DESCRIPTION: GATCHNAGGC ATHRITTETT CAGTCAGAGC ATTCAATCCT CAAGCCATTC ACACATTTAG 60 GCCTCATGCT TTNTCCTGTC TTTAATCACA TCCATTTCCT ACACTCATTG AGN 113
20	SEQ ID NO:6453
	SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25	CLONE: HUMGS07620 SEQUENCE DESCRIPTION:
	GATCATAAGT CATTCCCCTC CCCTTCCACC CCTCCTCTA TATTTCCCCT
	NTINGCIGGA GICCCATGAG GATGIGGGC CNITAATAAN GGATAGCAAA CAGGCAAA 118
30	SEQ ID NO:6454
	SEQUENCE LENGTH: 233
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	CLONE: HUMGS07621
35	SEQUENCE DESCRIPTION:
	GATCCCAAAA TCCAAGGATG CTTCGAATCC CTTATATAAA ATGGCATGGT ATTTGCATAT 60
	AACCTACATG CATCTTCAAA TATGTTAAAC CATCTCTAGA TTACTTATAA TACCAAATAC 120
40	AATGTAATGC TATGTAAACA GTTGTTACAA TGGATTGTCA AAGGCAAGCT CTNCTTGCCC 180 ANTNCGGGCC AANTGNGNGG TNCATGAGCA AATTAANTNN NTGCTGGTAT TTN 233
	SEQ ID NO:6455 Sequence Length:253
	SEQUENCE TYPE:nucleic acid
45	TOPOLOGY:linear
	CLONE: HUMGS07622
	SEQUENCE DESCRIPTION:
50	GATCCGAATT TCCTGCTCTA AACCCTCCAC TGCTTTCTGC TGTTTCCACT GAGGAAAGAG 60
50	GATGTGTGTC ATTAAAGCTT TGTTGGGACC TGTCACAGTC AAGGTGGGTA TAATTATGTT 120
	TAATTTATTG AAGTGTTTCT GGGCATCGTC TTTTTCAAAT TCATATATNC TATCCAGAAG 180

	ANGTGNATTC ATTNNNCATT NCNCTCTNCC CCN	ATNAAAAAAN	ATAAAATATT	ACCAGATAAA	GCTCANCACT	240 253
5	SEQ ID NO:6456 SEQUENCE LENGTH:44 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07623	acid				
10	SEQUENCE DESCRIPTION: GATCTTTCCT ATCAGTGTAA	TAAAAACTCA	TATTATGGCA	GAAA		44
15	SEQ ID NO:6457 SEQUENCE LENGTH:320 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07624	acid				
20	SEQUENCE DESCRIPTION: GATCAGGCAG GGTGCCATTN TATTTGTACT GTACCCTAGG TGATAGGCCC TATCCACAAG	GGTTCTGGAA GGCCATGACT	GGGAAAACAT GGGAAAAGGT	GGAATCAGGA ATGGNAGCAG	TTCTATAGAC AAGGAGAATT	120 180
25	GGGATTTNAG GGTGCAGCTA GGCCCAGACT GTTAAGCAGG TGTCTTGAGA CTCCATCCGN					
30	SEQ ID NO:6458 SEQUENCE LENGTH:179 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO7625	acid				
35	SEQUENCE DESCRIPTION: GATCCAAATN AGAACAGATT GCAAAAGAAA TATTAAATGA CATAATGTGT ATAATTGTGT	TTTAGCAGTC	TCCACGTGTG	TTAATGTTTC	AAACGTGTAT	120
40	SEQ ID NO:6459 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07626	acid				
45	SEQUENCE DESCRIPTION: GATCCATTCG CCCCAAGGGG CAGAGGGGCT TACACGATAT CTNATGAGAA TATTGCTGGC	CCCATACCTT CCTGCTTTCC	TAATGCCTTT CTGGTAGGTA	GGCCTTCCAT TTTGCCAGGC	TCTNATTTCN CCAATGCTTT	180
50	AACCTTAAGC TGATACTTTG ACTACGGCGC TCTATATTTA					

	TTCATGGGTA CNATNGTAAG NAAANNTAAA ANTTTTN	337
5	SEQ ID NO:6460 SEQUENCE LENGTH:101	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07627	
10	SEQUENCE DESCRIPTION: GATCGGTTGN GNCATGGAGT GGGGGCTTCC AGGTGGACCT NCCCGGCACA CATTCCATTT NTTGAGCCCC AGTCCTGCCC CCCACCCNAC CCTCCCTACC N	60 101
15	SEQ ID NO:6461 SEQUENCE LENGTH:138	101
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7628	
20	SEQUENCE DESCRIPTION: GATCCTTCTT GGTTAGTATT ACTTGTNCCG GAGCAATTCT NATTCCTCGT TTAGACATTG	60
	NNATTTCCTT CGTTGGAGCT GTGAGCAGCA GCACATTGGC CCTAATCCTG CCACCTTTGG TNGAAATNCT TACATTIN	120 138
25	SEQ ID NO:6462 SEQUENCE LENGTH:172	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07629	
30	SEQUENCE DESCRIPTION: GATCTNATTA GNNTAGTAAT GTTTTCCCTT TAAACAGATT CATCATTATC CCTAAAGTAT	60
35		120 172
	SEQ ID NO:6463 SEQUENCE LENGTH:239 SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY:linear CLONE:HUMGS07630 SEQUENCE DESCRIPTION:	
	GATCCACAGA GTTCATAGGC ATGATTAAAT GGTAGTAGTT TTCCACCACG AAGTTTTGGA ATAATTTGTC ACAAAGCAAT ANGGTAATTA GAAAAATAAC CTTTCAGAAG GAGACAGTTT I	20
4 5	CTCCAAAGCT TGGGTACTTT CGCTTAATAT TAAANAGTGG ANGGAATTTT TTNCCTGCCA 1	80 39
	SEQ ID NO:6464 SEQUENCE LENGTH:213	
50	SEQUENCE TYPE: nucleic acid	

	TOPOLOGY:linear CLONE:HUMGSO7631 SEQUENCE DESCRIPTION:					
5	GATCTGCATT TAGCAATGTG	ATGTCAGTAA	ATGGACATAA	CAGGATTGTT	GTAAAGGTTG	60
	GGCATGATGT ATGCAAAGTA	CTGGCCAGGG	TAGACTAATA	ACTGATGGCA	TTTATATGCT	120
	GTGCTGGAAT ATTGTTACCA	AGCTGATGTG	CCGTTCTCAC	CCNGGGNGAA	TACTGGTTTT	180
	GTCATTTCAT AAATGATATT	TTTATAANTA	AAA			213
10	SEQ ID NO:6465					
	SEQUENCE LENGTH: 329					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
15	CLONE: HUMGS 07632					
	SEQUENCE DESCRIPTION:	00000001101	ORBRO LORGO	CDCDCC. 100	GBB0 B000	•
	GATCTGGCCA AGAATGAGGC					
	CCTCCACTTA TTTAGGCCTN CGGGTCTCTT TTTTGCTACA					
20	CCGGGGGCAA TTCCTGTTTT					
	CCTCTGTNAG GCTTCAGTGG					
	CCCTCTGCTG NCAAACTGCT		CAUAUUUICC	VOVIVOORO	CCIUCIIUUU	329
	oototuotu nommatuet	TAAAANTIN				323
25	SEQ ID NO:6466					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07633					
30	SEQUENCE DESCRIPTION:					
	GATCCACGTG TGTGGCCATA	TTGTAACACA	TTTTTCTGCA	AATNACCTCT	TTCATTTAAC	60
	AGCCCTTATT CAATGGCCTT					
	GAATGACGNC ATGAATGTTT					
35	CTCATAGATA TTNATGTTAG	CACCAAATTT	GNTGTGCAAT	GANCCTCCCT	ANATAN	236
	SEQ ID NO:6467					
	SEQUENCE LENGTH: 239					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS07634					
	SEQUENCE DESCRIPTION:					
	GATCTATGCC TTAGTGTTGT					
45	GCAAGAAGCT GCAATGCGCC					
	TTCTGGTTTA GGTGTATGTA					
	ATACGGNTAA TTTTTTAGTC	CNTAATGCTG	TTTTGNTTAC	NTNCTNTCAN	GGTTATTTN	239
	SEQ ID NO:6468					
50	SEQUENCE LENGTH: 82					

5		60
	CAATAAAAAT GTTAAAAGCA AA	82
10	SEQ ID NO:6469	
	SEQUENCE LENGTH: 348	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	•
15	CLONE: HUNGS07636	
	SEQUENCE DESCRIPTION:	
	GATCCGTAAG GCCATGACCA AGGAGGCCAT CCGAGAGCAC CAGATGGCCC GCACTGGCGG CACGAGACAG ACCTGTTCAC CTGCGGCAAG TGCAGGAAAA AGAACTGCAC CTACACACAG 1	60 00
	GTGCAGACCC GCAGCTCTGA TGAGCCCATG ACCACCTTTN TTGTCTGCAA CGAGTGTGGA 1	
20	AACCGCTGGA AGTTCTGCTG ACCCCTTGTG TAGATGTGCT GCAGCCTTNG GCCTTCNCGG 2	
	GCCACGITCI TCGTTGACAN AGGITTNITT GGGGNCCCCT AGGAAGGCGG TATGTNCCIN 3	
	COCKED AND AND AND AND AND AND AND AND AND AN	48
	•	
05	SEQ ID NO:6470	
25	SEQUENCE LENGTH: 178	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS07637	
30	SEQUENCE DESCRIPTION:	
		60
	ACTCCACGAA ACGCCAAGGA GCTTCTTCCG GACGNCTCCT CTTCCTCTGT AACATACGTG 19	20
	TGAATAGTCA AGGTTTAATT TTNCTTTAAT CTAATAAAGT CGAAGTGGGA CTNTTAAA 1	78
35	SEQ ID NO:6471	
	SEQUENCE LENGTH: 50	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUMGS07638	
	SEQUENCE DESCRIPTION:	
	GATCCAGCAC ACCTCCTCGG TTTTTTTTC AATAAAAGTT TAGAAAGAAA	50
	454 15 US 41-5	
45	SEQ ID NO:6472	
	SEQUENCE LENGTH: 108	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUNGSO7639	
	SEQUENCE DESCRIPTION:	
50		60

	AGAAACTGTG ATTGGAACAA	TTGAAGAAAT	AAAATCATAA	CAGAGAAA		108
5	SEQ ID NO:6473 SEQUENCE LENGTH:210 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7640	acid				
10	SEQUENCE DESCRIPTION: GATCTGAAGA AAGCAGCAAT ANTTCTTAGA TGCATTTAAN TATTACTNGT GTTTAAAATG	TTCTTAATGC	AAATNACGTA	GCAATTTGAA	AACTTCTCCG	•
15	TTTGGTTTAG ATGGTTAANT	ATNATTTNGN				210
20	SEQ ID NO:6474 SEQUENCE LENGTH:307 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07641 SEQUENCE DESCRIPTION:	acid				
25	GATCAGCAGG ACTGTCTCCA GCTCCCAAGA AGTCAGAGGC AGCAAAAACT TCTCCCTCAA AGGGTATGTC CTGCTCCTTT ATACTTCAGN CTGTTTTTTT GGGCAAA	AGCNGTCGGG GAACAGAAAC CCACCAGTGA	GCGGAGGTGT GTTTTACCNN TTTGTATTAA	CCATNACCTC CTATTGTATG GNCAGCACTT	CCCAGGACAG ACCTTTGCTG ATATTGTACA	180 240
30 35	SEQ ID NO:6475 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS07642 SEQUENCE DESCRIPTION: GATCACAGGT TAGGGGTTTC GAGGCAGCAC CAGAAAGGGC CAGGTTTTCT AATCCAGAAA		•			60 120 140
45	SEQ ID NO:6476 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07643 SEQUENCE DESCRIPTION:	acid				
50	GATCAACTTT GTATATTCAC TGCTATTATA TGGTCAAGGC GGGTCAGGGA AAATTATTTC	ATTTATCAGC	ACTATTGTAA	TGAACTCATG	TAAGTGGCAT	

	CATTAAA					187
5	SEQ ID NO:6477 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS07644 SEQUENCE DESCRIPTION: GATCTTGTAT ATTTNATTTT GAGTCCAAGT GGTAGTGTTT					60 113
15	SEQ ID NO:6478 SEQUENCE LENGTH:276 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS07645 SEQUENCE DESCRIPTION: GATCTCATTA TGGGCTAAAA TNATGGAGGC TGGATTTCAG	ATTTTNTNAC	AGAATTAGAC	AGAGGAACAC	AGAGGGGACA	
25	GGCTCAGTTA GGGTGGAGGT CATTGTCTTT TAANCCAGTG AGATGGGGNA ATGTAGCCTC	GTTTATGTCA	GGGTATAGCG			
30	SEQ ID NO:6479 SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7646 SEQUENCE DESCRIPTION:	acid				
35	GATCTGTCAC TGTNTCCCGT CAGGGCTCCC ACTGATTCTA AGGTAATANT AATAGANATA	CATTATGGTG	TGTTGTACAA			60 120 160
40	SEQ ID NO:6480 SEQUENCE LENGTH:158 SEQUENCE TYPE:nucleic TOPOLOGY:lineár CLONE:HUNGSO7647	acid				
45	SEQUENCE DESCRIPTION: GATCATAAGT NTTAGGACCA AGAAAGGAAA TATTCACTTT TGACCATGGT GATACGTTGT	ACATTTTAAC	ATCAACTTTT			
50	SEQ ID NO:6481 SEQUENCE LENGTH:112					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07648 SEQUENCE DESCRIPTION:	acid				
	GATCCAAAAA AAAAAAAAAC TAAGANCCTA ATTAAATAGC					60 112
10	SEQ 1D NO:6482 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS07649 SEQUENCE DESCRIPTION: GATCCTGTGT GGCCGGTGTT CTTTCTCTGT ATTATATTCA				GCCCCTTTGC	60 105
20	SEQ ID NO:6483 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGSO7650 SEQUENCE DESCRIPTION: GATCAGATTT AAAGNCTGGA GCAGCTCCAC CACTGTGCAC					
30	CAGGTATTTA GAAGCAGNGG CTGCACACTC TCTTCTCCAT ANCTGAGGNC CN	GNCAACCAGA	AGGCCCTTAA	CTNTCACCAG	TGCATCACAT	180
35	SEQ ID NO:6484 SEQUENCE LENGTH:36 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUHGS07651 SEQUENCE DESCRIPTION:	acid				
40	GATCACGNGT AAAGAGAACT	GTTTCCTGCC	CTTAAA			36
45	SEQ ID NO:6485 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07652 SEQUENCE DESCRIPTION:	acid				
50	GATCAGCCTC ATCAATATTG CTGTTTACTT AAAATTTTGT ACAAA					60 120 125

5	SEQ ID NO:6486 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07653 SEQUENCE DESCRIPTION: GATCCACACT GGGGNGAAGC TGCGGGCCTC ANCTCCCACC	CTTATNAGTG				60 120
10	GTGTGGGN	nununuruun	Onoodanano			128
15	SEQ ID NO:6487 SEQUENCE LENGTH:329 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07655 SEQUENCE DESCRIPTION:	acid				
20	GATCCAGAGA GCTTCCTGAA					60
	TGCGGCGGCG AAGAGAAGCT					
	AGTTCCCTCC GNGGGATGCT					
	GTGGCTTGGG GTTTTTAGGC					
	GTTGTCTGTA ANCNAAGCCA		INTAAATANU	IAUUNUCCAI	GAGINGICCC	329
25	GGNCANCTTT CANAACTTGA	UINIGANAN				343
30	SEQ ID NO:6488 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07656 SEQUENCE DESCRIPTION: GATCTGTACT GTAATTTTGT AACATTCATC CAGTTGCAAT	TTGTAATCCT			CAATTTAGAA	60 101
35	AACATICATE CAGITGCAAT	AAAAIAGIAI	IGAAAGIGAA	Λ		101
40	SEQ ID NO:6489 SEQUENCE LENGTH:215 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07657 SEQUENCE DESCRIPTION:	acid				
	GATCATGTAT ATAATTGTAA					
45	TGACACAATG TTTAGNGATA					
	GCTTTAACAA AATTCTTAGG TTTACAATAA TGTTACTCTA			GTATTGCGAT	ANCTGTAGNT	180 215
	SEQ ID NO:6490					

	SEQUENCE LENGTH: 364					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS07658					
	SEQUENCE DESCRIPTION:					
	GATCTCTTTG TATTCTCTTC	AAGCCCAAAC	CAATTCTGTN	CCTTCAATCT	AAATAGTGGT	60
10	AATATGAATG TTTAAGAAAT	GAAATAAGAA	ACATGTGCAG	GCACTTTGGA	AGGTGCTAAG	120
10	TGACTGCCCT AAGGAATGAA	AAGCAAGGGC	CAGGTGGGAG	TAGCCCAGCG	AAGGCACTTG	180
	GGCTGCCAGG AACAGGNGGC	GTGGGAAACT	CTGGCTTAGG	NAAACATGAA	CACNGGGGCA	240
	ACAGCGGCAN ACTGTTGTTC	GAGTTAAATC	TAANTCTCAG	GCTCTTTNAC	GGTAAANGGG	300
	TTANGGATAC TCCATTNNGA	TGAAGANAAG	NGTGAGGCTG	ANNGTAANGC	ACATGGCAGN	360
15	TNNN					364
	SEQ ID NO:6491					
	SEQUENCE LENGTH:85					
20	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS07659					
	SEQUENCE DESCRIPTION:					
	GATCTTTCTT CTCCTTTAAG	CTCTTTGTTA	ACATTTCTCT	AGACGCAATT	TATTGAAAAT	60
25	AAAGATTINC TGTTTACTCA	TGAAA				85
	CEO ID NO.CADO					
	SEQ ID NO:6492 SEQUENCE LENGTH:122					
	SEQUENCE TYPE:nucleic					
30	TOPOLOGY: linear	acid				
	CLONE: HUMGS07660					
	SEQUENCE DESCRIPTION:					
	GATCCTCATT TATGTTTGTA	CTTCCAAACC	AAACCTACCT	10001mmmcm	TOTO TOTALO	
	CAAGTTATAA TAGCATTCAT					60
35	AA	TICCOTTINI	ATTICCCION	ANIANNUCAC	ATTOCACTIA	122
						122
	SEQ ID NO:6493					
	SEQUENCE LENGTH: 362					
40	SEQUENCE TYPE:nucleic a	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS07661					
	SEQUENCE DESCRIPTION:					
45	GATCCTACAT TAAGGTCATT	TGTNAGAATG	ATGTTTGTGT	TTGTNTAGAG	TTGGCTGACC	60
45	TCCAACTCNT GGGGTCAAGG					
	GCATGCACCC GGCCATGTGT					
	TTTTNCCCAT AGTGAAGAAA (CATTTGGCCA	TTGCTTAGTC	CTTNNGGGGG	GTGNCTGTCC	240
	TGTTTTCATT AGATTAGNGA (GACCCTGTGT	GGGCCACAGT	TAATATANNC	CATTATCACT	300
50	TTTAAGGTAA CCTGCACATC 1	TTAGGTTTCA	TAATTNCCTT	ATTGTTCTNG	NCTCAAANTT	360
	GN					362

	SEQ ID NO:6494 SEQUENCE LENGTH:328	.,				
5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07663	aciq				
	SEQUENCE DESCRIPTION: GATCGGGGCA CTGCAGGGGC	CCACCCATTT	Taggaggggg	<u> </u>	TCTCCACCCA	60
10	CCTTAGTGGC TTTTTTCCTC					
	CGGAAGCCAA CTTGGCTTTC					
	CGTCGTGGGA GAGAGACGTG					
	GCTCCTGTGC TACTTTGCCT					
15	GAGANTTAAA AATGNAATTA	TTTNTAAA				328
	SEQ ID NO:6495					
	SEQUENCE LENGTH: 351					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUNGS07664					
	SEQUENCE DESCRIPTION:	T001000010	0001001100	MOGGOTH C. C	á===.	
	GATCCTGTTT CTACCAACAC CATATTTNNT CTCCCTCCAT					60
25	CCGTAGAATT GGAAGGAATT					
	TTAACACCAG CCTGGGCTTG					
	ACCTCAAAAA ATACTTACAC					
	CCCCTAAGGC TGTGTNNGNG					351
30						
	SEQ ID NO:6496					
	SEQUENCE LENGTH: 122					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS07665 SEQUENCE DESCRIPTION:					
	GATCTGGTAG GGGAGAAATG	GCGAATGTAA	TACACATGAN	ATGGTATATC	CTTCCAATCT	60
	ACAGTATCAG AAGGTGGTTT					
40 .	AA				ibit of budgeon	122
	SEQ ID NO:6497					
	SEQUENCE LENGTH: 227	• •				
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS07666					
	SEQUENCE DESCRIPTION:					
	GATCANTTGC AAACCTCCCC	CAGCCCCTAC	CATCCAATNT	GGACGGAAAA	CANGAACTGC	60
	CTGAAGAAGA GTCCAAGCTA					

	TNCCACTTCT GTATCCTCAG CTGTGAATNT CTAATGCTAG				GCTGACTTCC	180 227
5	SEQ ID NO:6498 SEQUENCE LENGTH:238 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS07667 SEQUENCE DESCRIPTION: GATCTTGCCC TTCTCACTCC	AGAGGCTAGT	GGTCACAGAC	AGCTGGGAAT	GGCAGCCACA	60
15	GAGGGTCCCC TCTGGGAGAA AGTGGCCCTG GGAGGTGAGG TTTAAGCCAG TATTCTTTGT	AAGAAGCTGG	CTAGAGGAGG	GGGCTCCCAC	CTACCTTTTA	
20	SEQ ID NO:6499 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7668	acid				
25	SEQUENCE DESCRIPTION: GATCTGTCAT AACTCATTTT GNGAAACTCA TATTTCAACC TTAATAAAGA TTTAAATGCA	AAATCCAGCA				60 120 142
30	SEQ ID NO:6500 SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07669	acid				
35	SEQUENCE DESCRIPTION: GATCTGTCAT TGTCTCCCAT CAGGGCTCCC ACAGTTTCTA ATGTAATAAT AATAGAAATA	CATTATGGTG	AGTTGTATAA			60 120 160
40	SEQ ID NO:6501 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS07670 SEQUENCE DESCRIPTION: GATCTGCCCG AGACTCCCAG					60
50	CCTNTTTCCA CTGTGAGCAG CTGGGGNGTG GATATGANAT TAGTTGTACC CTACTCCATT TGTGCATNCC AGCTGCCNNA	GGGATATCTC AGGTCCCAAA	CTTCCATTCC	CCGNTCCAGG	GGAGAGTCAC	180

5	SEQ ID NO:6502 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07671 SEQUENCE DESCRIPTION:	
10	TCAATACTCT CAAATMCTCT CAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	60 19
15	SEQ ID NO:6503 SEQUENCE LENGTH:90 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07672 SEQUENCE DESCRIPTION:	
20	GATCTTCGTG TGAGCCGCGN CGTCCGNCGN GACCGAGCTG CCTTCGCGTG CCCCCGNCCT	50 90
25	4.1	60 62
35	TTGGAGATGA	60 72
45	SEQ ID NO:6506 SEQUENCE LENGTH:221 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07675 SEQUENCE DESCRIPTION:	
50	GATCTTTTTT CAGAATGTTG GAAAATCCTG TAAATGCAAA TAGTCAATAC TGTATTAAAT 6 ACGTGCACTT GGNGTNTGCT TCGCTTGTAC AGTTGTAAAT AATCAGAACA TATGNAAAAG 12	

	GTACCCTACA GAGGAAATTC TGATACAGAT TATTGCTATA TTATAACCTN TTGCTGTTGA GCGGGCTGTA GGTAANCTAA TGTTGTGGTT TGACTATTAA A	180 221
5	SEQ ID NO:6507 SEQUENCE LENGTH:42 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07676	
10	SEQUENCE DESCRIPTION: GATCTTCATT TTTGTAATAA AACGGNAGAC TCATCCAGTA AA	42
15	SEQ ID NO:6508 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07677	
20	SEQUENCE DESCRIPTION: GATCTTAGAC TTCCCATCCT CTAGAACTGT GAGAAATAAA TTCCTGTTGT TTATGAGCCA AA	60 62
25	SEQ ID NO:6509 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07678	
30	SEQUENCE DESCRIPTION: GATCTGCCAT CTAGAACTCA TATTCTAAAG GGCAGTGNTT TCTCAGAACA GTGATGTTCT GGAATATGTA TTATTTATTT TAACACTTTT TTAATAAANT CTTTATTATA AACCAAA	60 117
35	SEQ ID NO:6510 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07679	
40	SEQUENCE DESCRIPTION: GATCTGTTTA AAAGATTAAA TCTCAAGTTA ATTAAAAATA AGCTTTTCAA AAATGTATTA TATTTATAAC AAATATACTG TAAATAGANT AAAGACATGC TATTCACTGT AAA	60 113
45	SEQ ID NO:6511 SEQUENCE LENGTH:159 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07680	
50	SEQUENCE DESCRIPTION: GATCTGTCAC TGTCTCCCAT CACCCTAAGA TGGGNCTGTC TAGTTGCAGG GAAAGAAGCT	60

	CAGGGCTCCC ACTGATTCTA ATGTCAATAA TAGAAATAAN			TTATTTTATT	ATATATTACA	120 159
						103
5	SEQ ID NO:6512 SEQUENCE LENGTH:219					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS07681					
10	SEQUENCE DESCRIPTION:					
	GATCAGCCGG AAGAGAAAAT	NAAGACCCCA	GAGACATTTA	TTGGGGAGTA	GGATGTGGCT	60
	GAGTGCTTTT TTTTTGGCCA					
	AGNCCCACAG GCACTGGCAC					
15	ACCAGGGATT CCAGCTGGGG	NATAGTANCT	TGAAGGTGN			219
	SEQ ID NO:6513					
	SEQUENCE LENGTH: 217					
20	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear	=				
	CLONE: HUMGS07682					
	SEQUENCE DESCRIPTION:					
	GATCTTGACC TACAGTTTGA					
25	CAGTGCAAGG ATGAGTATCT					
	TAGTTGAACC AAAAGCAANN CTGNCAGNNT NCNNTAATTT			ACATTTTGAC	TIGATITATE	
	CIGNOMUMI NCHNIAAIII	1164614461	AAINCAN			217
	SEQ ID NO:6514					
30	SEQUENCE LENGTH: 119					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07683					
35	SEQUENCE DESCRIPTION:	CCCTTC 1 TCT	#CC#CC1#44	CTCC110010	0000110000	
	GATCTCTGCT CACGTTGCCT TCACTGTTTC TTGTACAGCC					
	TOACTUTTE TEGRACAUCE	IUCAUAUCCU	IUNUCCAAAI	AAAGCICIII	ICIIIIAAA	119
	SEQ ID NO:6515					
40	SEQUENCE LENGTH: 173					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS07684					
45	SEQUENCE DESCRIPTION:					
	GATCTGATGG TTTTATAAGC					60
	CGCTGTGAAG AAGGTGCCTG GCCTCCCTGG CAATGCAGAA					
	UCCICCIUU CAAIUCAUAA	CIUIUAUICA	ATTAMACTIC	INTICITIAT	AAA	173
50	SEQ ID NO:6516					

	SEQUENCE LENGTH: 238				•	
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS07686					
	SEQUENCE DESCRIPTION:					
	GATCACCATG TNAGCCTTAG	ACCAAGAAGC	TGGCTAGTCC	TTNCTGTGAA	GCTAATACAA	60
	TNGNCATTTC CAGACAAATT					120
	CTTTAAAATA TATGTCTATA					
10	AGAGATGANT CAGTTTTNGA					238
	SEQ ID NO:6517					
	SEQUENCE LENGTH: 289					
15	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07687					
	SEQUENCE DESCRIPTION:					
	GATCTGTTTT TNACCACTTC	ACTGAAAGAC	ACCATTTATC	TACCCAAGGG	CAGAAAGTAG	60
20	AACTTACTAT TCATTAAATG	TTTGACACAA	TTGGAATTGT	CTTTAATTTC	TGTCAGAATG	120
	CTATTGAAAA TGTGAATTGC	ATGACTTGGT	AGCATATTCT	TTTCNTGCAA	AAATAGGCCA	180
	TATTAACCAT GCTTATGACC	ANTGNCCTGT	GCTACTGGCT	TTTGGNAAAA	ATGGTTTGCN	240
	TCAGNTTGGG GAAGTAATNA	AAGGANTNCA	CCTGGNGNCC	CNNGAATAN		289
25						
	SEQ ID NO:6518					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
30	CLONE: HUMGS07688					
	SEQUENCE DESCRIPTION:					
	GATCCCCCAG GATTCTATTN					60
	GCTGATTTAG TCAGGGCAAA					
35	ATGTTACACA AGCTTCTTAC					
	TACATTNTAA CAAACTCNGT	AGTNCAACCT	AAACTNGTAT	NAACGGTGTG	TAAAAN	236
	SEQ ID NO:6519					
	SEQUENCE LENGTH: 157					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	0010				
	CLONE: HUMGS07689					
	SEQUENCE DESCRIPTION:					
	GATCAGGTCT GCTTTNAGTT	TCATTTTGT	TTCTTTCCCG	TCCCACTCTT	TAAAAACTGG	60
45	TTCCGTGAGA AANGGCAGAA					
	GTNCGAGGGC GTNCCGTGAC			20100000		157
	J. J		Juliun			101
	SEQ ID NO:6520					
50	SEQUENCE LENGTH: 195					

	SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO7690	acid				
5	SEQUENCE DESCRIPTION:					
	GATCTTTCTG GATATAATGA	AGCTTCCTGG	AGAAACAGAC	TGGCAATCAG	AAAGATTTGG	60
	CTGCTTCCGA CACCTCCATC					
	ATCTGCGNGG CAGNCCACTC 1					
10	GNAGGCATAN TTANN					195
.0						
	SEQ ID NO:6521					
	SEQUENCE LENGTH: 337					
	SEQUENCE TYPE:nucleic a	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS07691					
	SEQUENCE DESCRIPTION:					
	GATCGAAACC AAGTTATTAT T					60
20	TTTTNCTAGT AGGAAACTAT G					
	GAATTGTGAT AAAATAGGCC A					
	TAACCTAGGT AAAATAAGNN T					
	ACTCCAGTGG ATGTATTTTA G			TCTNTNTGGT	ANATAGGGTA	300
	TACAAACTAN NTGCCTCNNA A	ATNCNAATAN	NTTCGGN			337
25	CCO ID NO CCOO					
	SEQ ID NO:6522					
	SEQUENCE LENGTH: 331 SEQUENCE TYPE: nucleic a					
	TOPOLOGY: linear	icia				
30	CLONE: HUMGS07692				,	
	SEQUENCE DESCRIPTION:					
	GATCATTTCA TGGAATCTTT G	ያለ ለ ርጥ ለጥርጥጥ	TCACTCTAAC	ጥጥሮ ለ ሮሞ ተ ሮሮ	ጥር የጥር የ 4 የረጥ	60
	TCCTTGGTTT TANTAACACC T					60
05	GAAATTGNAA AAGTAAAACA T					
35	TGAAATGTGT ATGNGTTTCA G					
	NGTTCTTNCT NNTGTATTGT T					
,	CGGNTTCTAA AGNATTGNGG T			MOUNTOCATT	IUCAAIMICI	331
	Total Indiana I	ond/incd1	.,			JJ1
40	SEQ ID NO:6523					
	SEQUENCE LENGTH: 107					
	SEQUENCE TYPE:nucleic a	cid				
	TOPOLOGY: linear					
45	CLONE: HUMGS07693					
70	SEQUENCE DESCRIPTION:					
	GATCTGGAAT GGTGTTTTGG T	TTGGGGGGA .	ATTTTTTTTT	TTCCCNGGCA	AATNACATGT	60
	GTTGTTGATG TGAGTATCTG A					107
50	SEQ ID NO:6524					

5	SEQUENCE LENGTH: 196 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS07694 SEQUENCE DESCRIPTION: GATCTATATA TGTATAAATA GTTTNCTCTG GAAGTTTGTT TGCAAAANTG TATTTCCTAT	TGTATTTTGT TAAATGACAG	ANGCGTATAT	GANTTCAAGA	AAATTTAAGC	120
	TTTTTTAAAA ANTGGN					196
15	SEQ ID NO:6525 SEQUENCE LENGTH:257 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07695 SEQUENCE DESCRIPTION:	acid				
	GATCGGCTCT AGAAACACTG	CTTTCCCTTC	TTTNCTTTTG	TTTTCTTTCT	NTTATTATTT	60
20	TTTTAAAGAG TAAACGAAAG					
	GGGGTGAGAC CCTCCTCCTC					
	CTCAACGAGA ATCCTCAGCN	TTGTAAAATG	CAAAANTGTC	TAATGAATAT	TTNTATNTGT	240
	NCCATTTTTG ATAANTN					257
25	CEO ID NO CEOC					
	SEQ ID NO:6526					
	SEQUENCE LENGTH: 297 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acia				
30	CLONE: HUMGS07696					
	SEQUENCE DESCRIPTION:					
	GATCCTATTT AACATGACAA	CTAAAATCCT	TCCCATAGGA	ጥ ለጥጥ የተለጥ የ	ፒ ል ር ል ል ር ጥጥጥር	60
	ACAGACATAC CTAATCATTG					60
35	CTATCATTTG TTGANCATTT					
33	CAAAACTGAA TGTCACACTC					
	GATATGTAAA TAANTACATA					297
	SEQ ID NO:6527					
40	SEQUENCE LENGTH: 137					
	SEQUENCE TYPE: nucleic	acid			٠	
	TOPOLOGY:linear					
	CLONE: HUMGS07697					
45	SEQUENCE DESCRIPTION:					
	GATCGTGGCC AACGTGGACC					60
	TGTCCAGGTC TCACTGCTTT	NCACCGTGGT	CAGNGGGACT	NTCAGCTGAG	CTTNAGCTCC	
	CATGGAGCCA GCAGGNN					137
50	SEQ ID NO:6528					

5	SEQUENCE LENGTH: 293 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS07698	acid				
10	SEQUENCE DESCRIPTION: GATCAGCCTG AGAAGCCACT ATGAACGACA CCCNTGTTCT GAGCTCGGAC GGTGCTTTTG AAAATATTCC TATAATACTT ACCCAAAATA CTGNTTATNT	CCCACTCTGT GTGGNTGCGT TNAGCTGTTC	TCCCTCCTCA CTAGATGGAT TGGTTCCTCC	GGAAGTCCTT AACATGACTT AGGGTGNATG	TTATTACCAG CTTCTACCCT GTACCNATTA	120 180
15	SEQ ID NO:6529 SEQUENCE LENGTH:345 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07699		ACHATHAMA	ACTOANTITI	uun	230
20	SEQUENCE DESCRIPTION: GATCCACGGG GCCAGGCCAC GTGAAGACAG AACGCTNAGA GGATGTCTTC TAGACATTTA AATTTAAAAA GACAAAACAG	GTCTGCAGGC CTATCACTGC	GGCTCCTGTG ACCTGAAGAA	CTTTTAATTT AAAATCACTT	CTGGCTCTTC TTACCTTCCT	120 180
25	ATTTTNATAA ANTCTGAGGC •CNNTNNTAAG NGTTAAANCT	ATTGATAATG	NTCNNATCTA	AAATTTGTAC		
30	SEQ ID NO:6530 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07700 SEQUENCE DESCRIPTION.	acid				
35	SEQUENCE DESCRIPTION: GATCCAGAAA ATAGGTACGG AGCAATGCTT TTAAAGTTAT TTATAATCTT ATTTAATGNA AGTTATTTTN TTACAATTAA GCTGGNTATC TNATNTGCAA	CTTTGTTTTA TATNTGTACT TCTACAANGG	TAGACTTTTT TTCAAGTACT	TGTTGTATGT GATGGAGATA	ATTACAGTCT GNCTCAAAAC	120 180
40	OUTGONIATO THATHTOCAL	1100110				200
45	SEQ ID NO:6531 SEQUENCE LENGTH:43 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07701 SEQUENCE DESCRIPTION:					
	GATCCCACAC ACTAAATATA	TGGTTGTTTT	GCCACCTTTT	AAA		43
50	SEQ ID NO:6532					

5	SEQUENCE LENGTH: 285 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07702
10	SEQUENCE DESCRIPTION: GATCTGTTTT TCACCACTTC ACTGAAAGAC ACCATTTATC TACCCAAGGG CAGAAAGTAG 60 AACTTACTAT TCATTAAATG TTTGACACAA TTGGAATTGT CTTTAATTTC TGTCAGAATG 120 CTATTGAAAA TGTGAATTGC ATGACTTGTA GCATATTCTT TTCTGCAAAA TAGCCATATT 180 ANCATGCTTA TGACAATGAC TGTGCTACTG TCTNTGGAAA ANTGTTTGTC TCAGTTGGNA 240 ATNCTAANNG NTTCACCTGC GGANNAAACG CCCCNNNCCN CCCAN 285
15	SEQ ID NO:6533 SEQUENCE LENGTH:43 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07703
20	SEQUENCE DESCRIPTION: GATCCTCTTG TGTATATGCA AATAAACCTA TTATTCACTT AAA 43
25	SEQ ID NO:6534 SEQUENCE LENGTH:194 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07704 SEQUENCE DESCRIPTION
30	GATCAAGACA CCTTTTATTA ATAAAGAAGN GACACAGGTG TAGATATGTA TATACAAAAA 60 GATGTACGGT CTGGCCAAAC CACCTTCCCA GCCTTTATGC AAAAAAAGGG GAGANTCAAA 120 GCTTTCATTT CAGAAGTGTT GCGTGGANAA GTATCTGTAA TTAAAGTTTC GANGTAATTT 180 AACCTATTTT TAAA 194
35	SEQ ID NO:6535 SEQUENCE LENGTH:45 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
40	CLONE:HUMGS07705 SEQUENCE DESCRIPTION: GATCAAGCCC TGCTTAAAGT TAAATAAAAT AGAATGNATG ATAAA 45
45	SEQ ID NO:6536 SEQUENCE LENGTH:38 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07708
50	SEQUENCE DESCRIPTION: GATCTTCTGG ATGACCTGAA ATNAGAACTA ATTGGAAA 38

5	SEQ ID NO:6537 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS07709 SEQUENCE DESCRIPTION: GATCGCCCAA CTGCACTCCA	GCCTGGNAGC	AAGACTCTGT	CTCGAAAAGA	AA	52
10	SEQ ID NO:6538 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS07710 SEQUENCE DESCRIPTION: GATCAGNACC ACTGCACTCC	AGCCTGGGCA	ATCANAGTAC	GACTCCTGGC	TCAAA	55
20	SEQ ID NO:6539 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07711	acid				
25	SEQUENCE DESCRIPTION: GATCAGTCTG AAGTCGATTA AGGATGACAC AGCCACAGAA GAAAGAGATT TTAATGAATG	GAAACTCATC	CAGTCAGCTG	GAAACCAGAA	ATTATCAAGA	
30	AAAAAAAAGG CTTGGGGTTC AAGGGGGAAT TN					
35	SEQ ID NO:6540 SEQUENCE LENGTH:48 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07712 SEQUENCE DESCRIPTION:	acid		·		
40	GATCGAGNCA CTACACTCCA	GNCCGCCGAA	GCAAGACTCT	GTCTCAAA		48
45	SEQ ID NO:6541 SEQUENCE LENGTH:235 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7713 SEQUENCE DESCRIPTION:	acid				
	GATCANACAT TTNCTACCTA GTTGCTGTGT NTCATTTCTT					
50						

	GAANCAGTTT TTAAAAATGG TGATTAGTGN GCGGAAGNAN					180 235
10	SEQ ID NO:6542 SEQUENCE LENGTH:36 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7714	acid				
	SEQUENCE DESCRIPTION: GATCCTTTTA AATTTAAAGC	AAGTCCTAAA	ATGAAA			36
15	SEQ ID NO:6543 SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07715	acid				
20	SEQUENCE DESCRIPTION: GATCCAGCGN GCGCACGCAG GAAGNCGGCG CCCGTNATGA CAGCCAGCTN ATCTCCCAGG	ACGTCATCCA	CAGCATCTTC			
25	SEQ ID NO:6544 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07716	acid				
30	SEQUENCE DESCRIPTION: GATCAAATAT CACTCTCCTA CCNCTTACAA TANNTANCCA				CCTATAACTC	60 110
35	SEQ ID NO:6545 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07717	acid				
40	SEQUENCE DESCRIPTION: GATCTGGTTG TNTAGAAGCA CACCATGGCC AGAAACGTGC GAGGGCTCCC CAGCCATGCT	CTGCTTCCCC	TTCGCCTTCT	GCCGTGATTG	TAAGTTTCTT	120 180
45	TTTNTTCATA AA					192
	SEQ ID NO:6546 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					

5	CLONE:HUMGS07718 SEQUENCE DESCRIPTION: GATCATACTG GTTTGTTTCT TATTTTGATT GGAGAAAAAT NAAATTGCTG CATTTCGCAG TGACCCATTT AAA	60 73
10	SEQ ID NO:6547 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUHGS07719	
15	SEQUENCE DESCRIPTION: GATCAAATGT GTGGCCTTTG ACTGAAATCA GCCAGCCCAT GGCCCCCAAT AAAGGCAGCT GCCTACTNCT CCNTCTGAAA	60 80
20	SEQ ID NO:6548 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07720 SEQUENCE DESCRIPTION:	
25	GATCCANATG CGTGTGGCAG CCNAAGGATT TGTTGTAGGA GCAATGNCTG TTGGTATGGG	60 l 15
30	SEQ ID NO:6549 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07721 SEQUENCE DESCRIPTION:	
35	GATCATAGCA TATCTACTAT TTTATTATTT GATTTTTAAA ATTTAACATT ATATTATGGG TAACCTTACA TGTCAATAAA CAATTCCACA TTGTCAAA	60 98
40	SEQ ID NO:6550 SEQUENCE LENGTH:33 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07722 SEQUENCE DESCRIPTION:	
	GATCAACTTT GGAATAAAGT GATGCCCTTC AAA	33
45	SEQ ID NO:6551 SEQUENCE LENGTH:42 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE: HUMGS07723	

	SEQUENCE DESCRIPTION: GATCCACTGT AATATTTAAT	AAAAAATGTT	ACTATCTGTA	AA		42
5	SEQ ID NO:6552 SEQUENCE LENGTH:24 SEQUENCE TYPE:nucleic	aaid				
10	TOPOLOGY:linear CLONE:HUMGS07724 SEQUENCE DESCRIPTION:	aciu				
	GATCAAATAT CACTCTCCTA	CAAA				24
15	SEQ ID NO:6553 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGS07725 SEQUENCE DESCRIPTION:					
20	GATCACGACC CTNTCACGTG TGCTCACTCG GGGAGCTCGG ACCCCTTCCT TAACTCAGAA	CTCTTGAGAC				
25	SEQ ID NO:6554 SEQUENCE LENGTH:226 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear CLONE: HUMGS07726 SEQUENCE DESCRIPTION:					
	GATCAGGCAG CAGGAGTGAG TACTGAGTGT CCAGAGCTGC					60 120
35	AGCACTTTGC CTACTTTTGT CCTATTTGTC TACCCAATAA				TCCCATCAGG	180 226
	SEQ ID NO:6555 SEQUENCE LENGTH:46					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07727	acid	٠.			
<i>4</i> 5	SEQUENCE DESCRIPTION: GATCAGCCTG GCCATGGTNA	AACCCCATAT	CTAGTAAAAC	TACAAA		46
	SEQ ID NO:6556					
	SEQUENCE LENGTH: 306 SEQUENCE TYPE: nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGS07729					

	SEQUENCE DESCRIPTION:					
	GATCCACTAT NAGGGTGGCA	TCAGCCTGAA	TTGAACATCC	TATATCTNAA	CATCTGCATA	60
	AATTCCAGGT GACCACCAGT					
5	CCTGACCCAN TTTGGCCCAG					
	NAGGATATTG TTGGTCTCAC					
	TGTGGGAACC AAGNNGGNNN					
	NGGCTN					306
10	SEQ ID NO:6557					
	SEQUENCE LENGTH: 255					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS07731					
	SEQUENCE DESCRIPTION:					
	GATCTGAATA CCCCTTCTCT	GTAGCTGCTA	GTGAGCCTTC	CCATTTAGAT	TAAAGATTGC	60
	TTTATCCAGC AGTCAATTAA	CTCTCCAGTT	ATCAGTACTC	CCACAATTGG	CCAGGGCAAC	120
	AATAATTGGA GTTCATACTG	ATGCCCTGAG	GCACTGAAAA	AAAAAAAT	TCCCAAGGNG	180
20	CCTTNTGGGN TGNCTAAAGG	TTNCATTGTG	NTTGGNGGCT	TTNGTGTTAG	GTGTGCNGTT	240
•	TANTTTCCTA NTTNN					255
	SEQ ID NO:6558					
25	SEQUENCE LENGTH: 59					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07734					
	SEQUENCE DESCRIPTION:					
30	GATCACGNCA CTGCACTCTA	GCCTGGGCGA	CAGAGAGAGA	GACTGTCTAA	AAAAGGAAA	59
	SEQ ID NO:6559					
	SEQUENCE LENGTH: 69					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07735					
	SEQUENCE DESCRIPTION:	LEGERAL COR	CD110D0011			
	GATCCTNAGG TCTCCTAGCC	ATGTGGAGCT	GTAAGTCCAA	TNAAACTTCT	TTTTCTTCCC	60
40	AGTCTCAAA					69
	SEQ ID NO:6560					
	SEQUENCE LENGTH: 53					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear	GOIU				
	CLONE: HUNGS07736					
	SEQUENCE DESCRIPTION:					
	GATCTGTCAA GTCCAGTAGA	GCTTCAAGGT	AAAATNAAAA	TAACAATGTG	AAA	53

5	SEQ ID NO:6561 SEQUENCE LENGTH:33 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07738 SEQUENCE DESCRIPTION: GATCCAGAGG CCATGGAAGA GTCTCCAAGG AAA	33
10	SEQ ID NO:6562 SEQUENCE LENGTH:158 SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY:linear CLONE:HUMGS07739 SEQUENCE DESCRIPTION: GATCAGCTCA AAAAGNTTTG GCTTAGNGTT TTCATTGCAA ATNATAATTG CTGTAGAGCC	60
20	ACACACAACT TTTGAACTTT TAATTATAAG TGTTATGGCT AAAGTTATTN NCTGAAAATT 1 TCAGTAAAGT GTGTGAATGT TTCTTTATGT ATTANCNN 1	120 158
25	SEQ ID NO:6563 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07740	
30	AGAATTATCC TTTCCTCATT AAATTACCTT GCCAATTAGT AAAAAATCAA TTAACCATAA 1	
35	SEQ ID NO:6564 SEQUENCE LENGTH:87 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07741 SEQUENCE DESCRIPTION:	
40		60 87
45	SEQ ID NO:6565 SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07742	
	SEQUENCE DESCRIPTION: GATCCNTTTT NCTGTGGCAT TTGGTGCCCT AAAAATTTTG CATTTATCTT GAAA	54

5	SEQ ID NO:6566 SEQUENCE LENGTH:20 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07743 SEQUENCE DESCRIPTION: GATCATTIGA CAACTGCAAA	20
10	SEQ ID NO:6567	
	SEQUENCE LENGTH: 143	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
15	CLONE:HUMGS07744 SEQUENCE DESCRIPTION:	
	GATCGACTAT GAGACAGCAA AGGGGCCTAC CTNCTNATGG AGTTAGCCAA GAGCCAGGAC	60
	AAGAGTCTCA AGATTTATGA CGGTGCCTAC CATGTTCTCC ACAAGNAGCT TCCTGACGTC	
20	ACCANOMOGO MARMOGORMO A ANNI	143
20		
	SEQ ID NO:6568 SEQUENCE LENGTH:199	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS07745	
	SEQUENCE DESCRIPTION:	
		60
30	GGCATTGTAT TAGCAAACTC TTTCACTAGA CATCGTACTA CACGACACGT ACTACGTNGT AGCTCACTGC CNCTGATGTC CTATCAATAG GAGCTGTATT TNCCATCATA GGAGGCTTCA	
	PROCE CROCKING PROCESSES BY	180
	SEQ ID NO:6569	
35	SEQUENCE LENGTH: 37	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS07746	
	SEQUENCE DESCRIPTION:	
40	GATCGTTTCC AGGACAATAA AAGTTTCGGA GTTGAAA	37
	CEO ID NO.CEZO	
	SEQ ID NO:6570 SEQUENCE LENGTH:57	
45	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUMGS07748	
	SEQUENCE DESCRIPTION:	
50	GATCAGATGT TTAAAATNAT TCCAAATACT TCATTAAAAT AATTATTTTA TTATAAA	57

5	SEQ ID NO:6571 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07749 SEQUENCE DESCRIPTION:	
10	GATCGAGGAA AGGGGCGGAG AATTTTTTTT TCTTCTTCCC ATTTCTTTAA AAAACCAACA CAAGAAAACA CACACACAC CAACCAACGT TTGTTCCCGA GTAGAAACAT AAATAGGGCA	
15	SEQ ID NO:6572 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7750 SEQUENCE DESCRIPTION:	
20	GATCAGAGCT TGAAAAAACA AA	22
25	SEQ ID NO:6573 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUMGS07751 SEQUENCE DESCRIPTION: GATCAACCTG TGGCTGTTTT CCCGTCTAGG TTCTCACAGG NATCTCCTGA CAGAGGTACT TAACAATGGC TCTNCTGGAA ATTTCTATAA ATAAAATGTC CAAAATGGAA A 1	60
35	SEQ ID NO:6574 SEQUENCE LENGTH:44 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07752	
40	SEQUENCE DESCRIPTION: GATCTCATCA CTGCTCCTTA TAATAAACCT AATAAAGCAA GAAA	44
	SEQ ID NO:6575 SEQUENCE LENGTH:42 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07753	
45	SEQUENCE DESCRIPTION: GATCCCGCCA CTGCACTCTA GCCTATGTGA CTCTGTCTCA AA SEQ ID NO:6576	42
50	SEQUENCE LENGTH: 48	

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07754	acid				
5	SEQUENCE DESCRIPTION: GATCATTTGT AAGACCAAAA	TATAAATAAA	AAGTTTCAAA	AATCTAAA		48
	SEQ ID NO:6577					
10	SEQUENCE LENGTH: 46					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07755 SEQUENCE DESCRIPTION:					
15	GATCGATTAC AATAAATGTT	TTTCTAAAAA	CCCATTTTCC	CACAAA		46
15	onivanimo minimitali	IIIOIAAAA	UCCATTITCC	CACAAA		40
	SEQ ID NO:6578					
	SEQUENCE LENGTH: 125					
00	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS 07756 SEQUENCE DESCRIPTION:					
	GATCAAAAGC TTTGCATTGA	TAAGTGTCTC	ATAATATTC	CTGTGATTGG	ACAAAAAATC	60
25	TAGTCGTAGC CAATAAATTT					
25	ATAAA			***************************************	00	125
	SEQ ID NO:6579					
30	SEQUENCE LENGTH: 36		•			
30	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS 07757					
	SEQUENCE DESCRIPTION:					
35	GATCAAATGT GAAATAAATA	TGAATGGAGT	GGTAAA			36
	SEQ ID NO:6580					
	SEQUENCE LENGTH: 199 SEQUENCE TYPE: nucleic	: 4				
40	TOPOLOGY: linear	acid				
	CLONE: HUMGS07758					
	SEQUENCE DESCRIPTION:					
	GATCTCTGGC CCTTTGCGTT	TCAGTATTTG	TCCTTTTNAT	GCCTGAATGT	TTAACCTGCC	60
45	ACATNTTTGT ACTGCAACAT					
	TGGTTATCTG TAAACTAAAT	GTGCCCTTAT	TGGCTNGGNG	GTCAAGTNAA	GATGTTTGTA	180
	TAATGTATTN GTCAGNAAA					199
	SEQ ID NO:6581					
50	SEQUENCE LENGTH: 66					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07759	acid				
•	SEQUENCE DESCRIPTION: GATCTACTGT GATGTTGTCT AACAAA	TCAAAGGCAG	GNGAAAATAA	TGTTCACAAT	AAAATGTGCT	60 66
10	SEQ ID NO:6582 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7760	acid				
15	SEQUENCE DESCRIPTION: GATCTGTAAA GAATGACTTT ACTCNAGGAT GCCTGCATGG CTGGNCCATG GNNNN					
20	SEQ ID NO:6583 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS07761 SEQUENCE DESCRIPTION: GATCAGCCTG GCCAACATGA CATGGTCGCG GGTGNCTGTG GAACCTNGGN					
35	SEQ ID NO:6584 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7762 SEQUENCE DESCRIPTION: GATCAAATGA AAGGCCTATA		GCC A GCC C A T	GGCCCNCACT	AAAGGAACGT	60
40	NCCTCTGCTC CCTNTGCAAA			uuduunen 1	,	80
45	SEQ ID NO:6585 SEQUENCE LENGTH:48 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07763 SEQUENCE DESCRIPTION: GATCAACAAT TTTTGTTTTG		GTTTTTTGAA	AGTTGAAA		48
50	SEO IB NO 6586					

	SEQUENCE LENGTH:178 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
5	CLONE:HUMGS07764 SEQUENCE DESCRIPTION: GATCCCCTGC TGGCTGGGGG CAGCTCCCAG GATATACTGC CTTACAACTG TTTCTAAAGC 60
10	GATCCCCTGC TGGCTGGGGG CAGCTCCCAG GATATACTGC CTTACAACTG TTTCTAAAGC 60 CCATCCTNCT AACATGGCGA TTCCGGAGGT CAAGGCCTTG GGCTCTNCCC AGGGTCTAAC 120 GGNTAAGGGG GCCACATACC NGTTCCAAGG GGNNTGTCAA GTNGTGAAGT CGTTNTGN 178
15	SEQ ID NO:6587 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
75	CLONE: HUMGSO7765 SEQUENCE DESCRIPTION: GATCAGATGG TTTATAAAAG TAATAACCAT AAAGCAAAAA ATAATTTGAA AGCCCGTCTA 60
20	TTCCTATGCT CANTAAAGTT AAGGTTTTTC TTCATTAAA 99
	SEQ ID NO:6588 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic acid
25	TOPOLOGY:linear CLONE:HUMGS07766 SEQUENCE DESCRIPTION: GATCCTTTGA GCCCAGGAGT TTGAGACCAG CTTGGGCAAC ATAGTGAGAC CCTGTCTCTA 60
30	CCAAA 65
35	SEQ ID NO:6589 SEQUENCE LENGTH:205 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE:HUMGS07768 SEQUENCE DESCRIPTION: GATCACAGGG TCAGGAGTTC AAGACCACCC TGGACAATAT TGTGAATTCC TGCCTCTACT 60 AAAAATACAA AAATTAGTCG GGCATGGTGG CGGGTGCCTG TGGTCCCAGC TACTCGGGAG 120
40	GCTGAGGCCA GAAAATCGGT TGAACCTGGG AGGTGGAAGG TGCACTGAGC CAATATCACA 180 CCAGTGCACT CCAACCTGGT GACGN 205
45	SEQ ID NO:6590 SEQUENCE LENGTH:57 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07769
50	SEQUENCE DESCRIPTION: GATCTCATAC TCAACAGAAG GAGACTCAGA GACTCCAGAA GGCACAGGAG CTGCCCN 57

5	SEQ ID NO:6591 SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07770 SEQUENCE DESCRIPTION:	
10	GATCATGTTT ATTTACTGAT AAAACTCAAT ACCTAGAACT GCACCTAGCT CATGATGGTA CCTAATAAAT ACTTCAATGA AATGATGTGG TGATGCATGC CTATAGTTTT AGCTACTTGG GAGGGTGGCC TGAGCCCAGG GGTTCTAGAC CAGCTTAGGC AACATAGCAA GACCCCATCT CAAA	120
15	SEQ ID NO:6592 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07771	
20	GCCGCCCTGT GAAGAGGTGC CTTCCACCGT GATTGTNAAG TTTCCTGAGG CCTTCCCAGC 1	60 120 165
25	SEQ ID NO:6593 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07773	
	TATCATATGA TGTGTACTCA GTCATATTCT GTAGACTCAA ATCTTTTATC TGATTATACC 1	60 20 34
35	SEQ ID NO:6594 SEQUENCE LENGTH:148 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CCGTTTCATC CCTGNCTCAG CCTGCATGCC AAGCTCCCTN GGTGCCCGNC CACAGGTGTC 1	60 20 48
50	SEQ ID NO:6595 SEQUENCE LENGTH:238 SEQUENCE TYPE:nucleic acid	
~~		

5	TOPOLOGY:linear CLONE:HUMGS07775 SEQUENCE DESCRIPTION: GATCGCTTGT AGCTGGGAAC AGTGCTTACT TCAGGGAAAA CTGATTTTGA TAGAACCGAC 60 TAGTTGAGTA TTAAACTGTT TTGGAAATAA TTTATATATC TAAGTGCTGA AATATATTTC 120 TCTTCTCCCC ACTTATTCAA ATAAAAANGT TTTNATACTA TAAACTTTTC NNNGTTAGCG 180 CCACGCAGTC CTTGTCAAGN TTGTNCTGGG GGNCAANAAC TTGATGTATA AAGCATGN 238
10	SEQ ID NO:6596 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07776
15	SEQUENCE DESCRIPTION: GATCTCTACT ACCANAAGGA AAATAGTTTA GGNGAAACCA GCTTTTANTG TTTTTGTAAA 60 ATTAGCTTCA CCCTGTNATG TTANCAAGGT ATGTCTTTGC CN 102
20	SEQ ID NO:6597 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07777
	SEQUENCE DESCRIPTION: GATCGCGCCA CTGCACTCTA GCCTGGGTGA CCAGCCTGGG TGACAGAGTG AGNCTCCGTC 60 TCAAA 65
30 35	SEQ ID NO:6598 SEQUENCE LENGTH:282 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07778
33	SEQUENCE DESCRIPTION: GATCTAGAAG AAAGTATTGT ACGTTTGAAT GCAGATTTTN ATCCACAGAT AGTTGTAGTG 60 TTTAGACATG ACAGGACCTA TCGTTGAGGT TTCTAAGACT TACTATGGGC TGTAAACCTG 120 TTTTTNAAAA CTATTTTAGA AACCTGAGAC TTGCCGTCTG GCATTTNAGT TTAATACAAA 180
40	CTAATGATTG CATTTGNAAG NGNTNCTTGA CCTTATTTCT AAACGTCTAG NGCTCTGAAA 240 TGTCTTGCTG GNNGGTATTA AACTATTTGC CTGTNGTACA TN 282
4 5	SEQ ID NO:6599 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07779 SEQUENCE DESCRIPTION:
50	GATCAAATGG CTTAGAGNTA GTCCTGGAAT ATTCATATTC AAAGATTCCT TATTAATGAA 60

	TGTCTTTAAC TTAAATCTAC CCAATAATTG CAACATGGTT CTTTGTACAT TTTCATTATA TGGTGTTAAC AAGCTTCACT GCAAACAAAT AAATTACTTA AGTTATTTGN AAA	120 173
5	SEQ ID NO:6600 SEQUENCE LENGTH:263	
10	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07780 SEQUENCE DESCRIPTION:	
	GATCAGTGTA GCAAATNAGG GATGAAGNGT TCAAACCTTT TGGCCCTTTC TTTCTTTNCT AGGCTTCTCC CTCGCAGGGT GTTCCGTAGT TTCTTCTCGA GCCAATGCAT GTATTATAGC	60 120
15	AGCAGGTGTC TTTGTGCTTT CTCATCATAG TAACGTACTA CTTGTAAATA CATTTTNCTA 1 TTTNCTATTT TTTTGTATTT TTTTTTGACA TTTTGTTTCA TTGGTGTGCT GNGNGNNNCC 2	180
20	SEQ ID NO:6601 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE: HUMGS07781 SEQUENCE DESCRIPTION:	51
	SEQ ID NO:6602 SEQUENCE LENGTH:283	
30	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07782	
35	GCTTCAGGGC TATGACATCA ACAGCCAAGG GGAAGAGTCC ATGGGAAATG CAGAGCCCCT 1 TAGGAAGCCN ATCAAAAACC GGNGCNTANN GTTAANGAAA GTGAACTCCC AGGAAATACA 1 CATGCTCCCA ATCAAAAAAC AACGGCTGGC CACCTTTTT CCAAGAAAGT AAATAACGGC 2	80 40
40	TTTTTAAANT NNGTATGNTT ATAATATGGG GAAAGGTGCA TTN 2	83
-	SEQ ID NO:6603 SEQUENCE LENGTH:223 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
45	CLONE:HUMGS07783 SEQUENCE DESCRIPTION: GATCGTTCAT CCGATTGCNA CGTTCCAAAG TGTCCAGGTT TTTAAGACCT TACAAATGAC	60
	TCAGCCCACG TGCCACTCAA TACAAATNTT CTGCTATAGG GTTGGTGGGG CAGAGCTGTC 1: TTCCTTCTGC ATGTCAGCAC AGTCGGGTAT TGCTGCCTCC CGTATCAGTG ACTCATTAGA 1:	
50	CTTCAATNAN WATACATAAN AGAGARANDE BEGRAAANNA	80 23

	SEQ ID NO:6604 SEQUENCE LENGTH:100					Þ
5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07785	acid				
	SEQUENCE DESCRIPTION: GATCACCTGA GCCTGAGAGT TAAAAATAAA ATAAAATTAA				TNCATCTCTT	60 100
10		mii imainon	naraar rou			100
15	SEQ ID NO:6605 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07786 SEQUENCE DESCRIPTION:	acid				
	GATCCCTTCC ACTCAGGATT	CTCGCCGCCT	TTTCTAAGAA	AATAATAAAA	AAAAAATNCT	60
20	TGTTTCAAA					69
	SEQ ID NO:6606 SEQUENCE LENGTH:164 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGS07787 SEQUENCE DESCRIPTION: GATCTGCCTG CCTCGGCCTC	CCAAAGCGCT	GGGATTACAG	GCGTGAACCA	CTGCGCCCAA	60
30	CCTTTGGATT ATTTTTTGTA TCCTGGANTC CAGCCTGGGC	GAGATGGGGC	TTCCCTATGT	TGGCNAGGCT		
35	SEQ ID NO:6607 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07788	acid				
40	SEQUENCE DESCRIPTION: GATCACTCCT CTGCTTCAGC AAAACTTGAC AAA	CTGGGCAATT	GAGCCAGACT	CTGTCTCAAA	AATAAACAAA	60 73
45	SEQ ID NO:6608 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07789 SEQUENCE DESCRIPTION:	acid				
50	GATCTTTTTA CCTGGATATG	TCTGTAAGGC	TCCTGAAAGA	GACAAATAAA	GTCAATATAT	60

	TTNCACAGTG CAAA	74
5	SEQ ID NO:6609 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07790	
10	SEQUENCE DESCRIPTION: GATCTTAGGT CAAATAACAG ACTTGAGAAT ACTTTATAAA CTGCCATGAT ACAGCAAA	58
15	SEQ ID NO:6610 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07792	
20	NTCCCCAGGG TGCCGAGGGC AGCAGGAAAA AGTGGGGACC TCGGTGCATT TGCCCCACCC 12	60 20 39
25	SEQ ID NO:6611 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07793	
30	SEQUENCE DESCRIPTION: GATCATCGAC ACTTCGAACG CACTTGCGGC CCCGGGTTCC TCCCGGGGCT ACGCCTGTNT	60 75
35	SEQ ID NO:6612 SEQUENCE LENGTH:171 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07794	
40	TAAAGAATGA GCATGGCCAC ACTGTCAGTN AGTGTTCTTT AGGTGGTAGG ACTATGGTTG 1:	60 20 71
45	SEQ ID NO:6613 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07795	
50	SEQUENCE DESCRIPTION:	

	GATCACGATG TAAATAATTA TACCATAAA	AGCATTTTGG	TTGGATTTCT	TTTGTAATAA	ACTATTTTTG	60 69
5	SEQ ID NO:6614 SEQUENCE LENGTH:271 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07796					
10	SEQUENCE DESCRIPTION: GATCTAGGAT AGCTAAGTNA ACTAAAAGAA TACTAAAAAG TCTCAGCNGN AGGGAGCAAG	CCTACATGGT TTTTTACCCA	TTATCTCTAT	CCCTGTTTTN	TTTTTGCAAT	
15	GCTTTCTCAA CCGCACTTTA AGGAGTATAT CCAGGCCTAC	CGTCCTTGAA	TATNCTAGAT			
20	SEQ ID NO:6615 SEQUENCE LENGTH:237 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07797	acid				
25	SEQUENCE DESCRIPTION: GATCACACCA TGGAGACTTT AAACTTCACC TTCCATTAAG GTCTTTTTCA TCCTTTGTGA CAGTATGGGA CTTTGAAATA	TGTTCAAGCA TGAAGACTGA	TGTCTGCAAA AATTGTGCCG	TTAGGAGGGN TGTTGCCTTA	GTTAGAAACA TATGANTATG	120
30	SEQ ID NO:6616 SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGS 07798 SEQUENCE DESCRIPTION: GATCTNAAAT AAAATTCAAA CATTGGGAAT ATACCTTTTT AAATATAATT ATCTNAAGGN	ATACTCCTTT	ATCATGGTAC	TGTAACTGTA	TCCATATTAT	
40	NCTGGTGAAA GTNAGN					196
45	SEQ ID NO:6617 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7800 SEQUENCE DESCRIPTION:					
50	GATCATCGAC ACTTAGAACG TAAGCGTCGA TTAAA	TACTCCNGNC	CCCGTGCTCC	TCCAGAACCT	ACGNCTGCAC	60 75

5 .	SEQ ID NO:6618 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07801	
	SEQUENCE DESCRIPTION: GATCACGCCA CTGTACTCCT GGGCAACAAA GCGAGACTCC CTGTCTCAAA	50
10	SEQ ID NO:6619 SEQUENCE LENGTH:208 SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY:linear CLONE:HUMGS07802 SEQUENCE DESCRIPTION:	
20	GATCGAGGCT TGTNATGCCT TGTGAGAAAT AAGGGCCTTA ATTTGTACTG TCTGCGGCATTTTTNATAAT ATTGTATATA GTGACTGACA AATATTGTAT TACTGTACAT AGAGAGACAGGTGGGCATTT TTGGGGCTACC TGGTTCGTTT TTATAAGATT TTGCTGGGTT GGTTTTTTTTTT	G 120 T 180
	TTAATTAAAA AGTTTTGCAT CTTTTAAA SEQ ID NO:6620	208
25	SEQUENCE LENGTH: 151 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07804	
30	SEQUENCE DESCRIPTION: GATCAGGAAG CCAAACTTAA GAAAGAGCTT GAAAATACTG CTCTAGAGCT TAGTCAGAAA GAAAAACAGT TTAATGCCAA AATGCTGGAA ATGGCACAGG CTAACTCAGC TGGAATCAG GATGCAGTGT CAAGACTGGA AACAAACCAA A	
35	SEQ ID NO:6621 SEQUENCE LENGTH:33 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUMGS07805 SEQUENCE DESCRIPTION: GATCTNGGCA ACACAGTCAG ACTCCGTCTG AAA	33
4 5	SEQ ID NO:6622 SEQUENCE LENGTH:321 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07807	
50	SEQUENCE DESCRIPTION: GATCCGGACG ACGTAATCAC TGACATTNAG ATGGTGGACG AGGGCTGGTG GCGGGGACG	T 60
30		

	TGCCATGGCC ACTTTGGACT	CTTCCCTGCA	AATAATGTCA	AGCTTCTGGA	GTNACTAGAG	120
	CTCACTGTCT ACTGCAACTN	TAATTTCCCA	TGTCCAAAGN	GGNTCTGCCT	CCACCCCCTC	180
	CCTATTCCTG CTGCAAATNT	CTAACCAGAT	GAGGTTCTGG	ACAGACTTCC	CTCTCCTGCT	240
5	TCATTAAGGG CTTGGGGCAG	AGNCAGCATG	GGGAAGGAGG	TCCCCTTCCC	CAAGAGTCCT	300
	CTTCTATCCC TGGATGAANN	N				321
	SEQ ID NO:6623					
	SEQUENCE LENGTH: 96					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07808					
	SEQUENCE DESCRIPTION:					
15	GATCCCAGCA CCCATTCCTT	AGCTATTTAT	CCCTTTCCTG	GTTTCCGAAA	GGCAATTATA	60
	TCTATTATGT ATAAGTAAAT	ATATTATA	TGGAAA			96
	SEO ID NO. CCOA					
	SEQ ID NO:6624 SEQUENCE LENGTH:242					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS07810	*.				
	SEQUENCE DESCRIPTION:			•		
05	GATCTAGGCT TCTNGCCTCA	CTCCCATTAG	GAATAACACC	CAGCAAAATG	GAACTATCCA	60
25	AGCACTTCCT ATACATCTGT					
	CATCATCATC ACCATGACTG					
	TTGCCTCCTA TTTGCCTAAA					
	AA					242
30						
	SEQ ID NO:6625					
	SEQUENCE LENGTH: 97					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS07811					
	SEQUENCE DESCRIPTION:					
	GATCCCGTCC TTGTCAGAGA			CCAGAGGGAG	GAGCCCATGG	60
	CCCTTTCTTC TGTNACTGAT	TAAAAATCTC	GATGAAA			97
40	SEC ID NO CODO					
	SEQ ID NO:6626					
	SEQUENCE LENGTH: 98	: 4				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acia				
45	CLONE: HUMGS 07812					
	SEQUENCE DESCRIPTION:					
	GATCCCTTCA AGACTTTGTC	ACAGCCTCTA	TCACACATCT	GTTTTTCTCC	AAGNAAAAA	60
	TATAATTAAT AAAAATGTTT			2111110100	MAAAAAA	98
50						-

5	SEQ ID NO:6627 SEQUENCE LENGTH:36 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07813 SEQUENCE DESCRIPTION: GATCCCGNTG TTCTTAATAA		CCCAAA			36
	SEQ ID NO:6628					
15	SEQUENCE LENGTH: 35 SEQUENCE TYPE: nucleic at TOPOLOGY: linear CLONE: HUMGS07814 SEQUENCE DESCRIPTION: GATCAAAAAT AAATACTGCA		AAAAN			35
20	SEQ ID NO:6629					
	SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO7815	acid				
25	SEQUENCE DESCRIPTION: GATCITGTTT TTATTGTTAT 1 GTTCTTGTTT TGTCAAA	TGCTTTTATT	ATNATTGCTT	TTATTATCAT	ТААААСТСТА	60 77
30	SEQ ID NO:6630 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic a	acid .				
35	CLONE: HUMGS07816					
	SEQUENCE DESCRIPTION: GATCCAGTAC AGAAAGGAAA (TTTATTTTTG GCAATAAAGA (AAGTTGTCTT	TTTAAAAGTG	60 98
40	SEQ ID NO:6631					
45	SEQUENCE LENGTH: 132 SEQUENCE TYPE: nucleic a TOPOLOGY: linear CLONE: HUNGSO7817 SEQUENCE DESCRIPTION:	acid				
	GATCAGGGAA CAAAATCCTC 1	CCTTGTGGA	AATATCCCAT	GCAGTTTGTT	GATACAACTT	60
	AGTATCTTAT TGCCTAAAAA A	AAAATTNNCT	TATCNTTGTT	TCAAAAAAGC	AANNTCATGG	120 132
50	SFO ID NO-6632					102
	3 P.M. 133 NOVERS CV					

5	SEQUENCE LENGTH: 304 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS07818 SEQUENCE DESCRIPTION: GATCAACGGC TGACCTTCTG GTGTTCCATG TGCCTGANGT	GCGTCTGGGG				
10	CACCGTTGTG CCCTTGGGGG CTGCGGTGCC TGGCGTGCTG GCTGTCCTGT GCCCATGCTC CCTN	TCAGGGGNTT GGCATGGGGC	NAGGTTTACA NTGCTCACAG	ACTGGTATGA ACAGNATGGA	CTGAGGTATC GCAGGGAAGG	180 240
15	SEQ ID NO:6633 SEQUENCE LENGTH:35 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS07819 SEQUENCE DESCRIPTION: GATCTCAAAT AAAATTNCTG SEQ ID NO:6634	TAAAGAATTT	CCAAA			35
25	SEQUENCE LENGTH:185 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07820	acid				-
30	SEQUENCE DESCRIPTION: GATCCAAATC GGGCCATCTT ACAGTGGGCA GACAAAGGGC TCATTTCAGC ACTGGAGACC TTAAA	TCCCTGGCTA	CTGGGAAGAT	ACAGAACCAT	CCTGTGAAAA	120
35	SEQ ID NO:6635					
40	SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07821	acid				
45	SEQUENCE DESCRIPTION: GATCCGTGGC CTGAAGGTTC GTGAGGAAAG ACTGGTAACC AATATTTCTT TAATAAAGTA	CAAAACTCTC	TTCTCTAATG			
50	SEQ ID NO:6636 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

5	CLONE:HUMGS07822 SEQUENCE DESCRIPTION: GATCCAGGTC TAGGCCCTTN ATCTGCTGCT CTGTGGCCCA GGGCAGGTTT GCTTGACCTC 60 TGCCTCAGTT CTCGACTCTA AAGGACATAC TGACCTACCT CACAGGGGTG TTGTNAGGAT 120	
	TAATAAATNT TGGTACTCTG CTTTGGAAAT NTGAAAAAAA AGAAA 165	
10	SEQ ID NO:6637 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07823	
15	SEQUENCE DESCRIPTION: GATCAAATTC AGTGTTGTAT GTATGTTTAT GGCAACATTT TGAAAATAAA AATTAAATGT 60 TTTNCTTCAA A 71	
20	SEQ ID NO:6638 SEQUENCE LENGTH:348 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07824 SEQUENCE DESCRIPTION:	
25	GATCTCAATA CTTCCCTGAC ATCCCTTAAG ACTCAAGTCT TGATACTTTG TCTGCTCTCT 60	
	GGCTCTTTCT TTGTCATTAC TATNATNNNA ATCTTCTTGA TGTTGACTCT TGCTAAAATT 120	
	TTTNGTCTTC CTTATTGTTA ATGCTTATAG AAAATGATTC CTTGTTATCT TTNAGCCCAT 180	
	GTCATCCGAA TCATTTGCTG TTTCTAGCCT AGGTGCTTTG ACTATGCCAG CTTGTATTTC 240	
	TNCAGAATTT NCATTANCTA TATGTGTGGT ATTGTAGGCA TTACCATATT TNAAAATAAA 300	
30	NTTTAGGCCA TTGCTTCAAA TCACAACAAA NNACAACNCA ACNNACNN 348	
35	SEQ ID NO:6639 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07826 SEQUENCE DESCRIPTION:	
40	GATCTGAAGA GTGAAAATAA TGCTTTAAAT NAAAAATTGA AATCAGAAGG AAA 53	
40	CPO ID NO.CCAO	
45	SEQ ID NO:6640 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07827 SEQUENCE DESCRIPTION:	
	GATCTTTTTN AATTCAGTAC AACCCATAAT CATGTAAATN CTCATTTNCT TTAGGNCATA 60	
50	AAGAGAGCCC TAGGGTGCTC TGAATGTGTA CATGTNCTTG TCATAAAATG CATACTGTTG 120 ATACAAA	

5	SEQ ID NO:6641 SEQUENCE LENGTH:23 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07828 SEQUENCE DESCRIPTION: GATCTGTTGT TACTTAACAG					23
10	SEQ ID NO:6642 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07829	acid				
	SEQUENCE DESCRIPTION: GATCTTNATG TTAATNTTCA AGAAGAATTA AGCGCCTTGA		ACAACAACT	TAGCAACTGA	AGCTTATNAA	60 85
20	SEQ ID NO:6643 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS07831 SEQUENCE DESCRIPTION: GATCTTTTGT GGATATTTGT CATGACTGAG TAGGTAGAAA					60 113
30	SEQ ID NO:6644 SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS07834 SEQUENCE DESCRIPTION: GATCGTCCCG CTGCACTCCA	GCCTGGCCAA CA	ANAGCGAGA	CTGTCCCCCC	CAAA	54
40	SEQ ID NO:6645 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUNGS07835 SEQUENCE DESCRIPTION: GATCTTGCTC CTCTGTAAGG	AACAAGGGTG CO	CTAATAAAT	ACATTNCTCC	TTTATTAAA	59
	SEQ ID NO:6646 SEQUENCE LENGTH:184					
50						

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07836 SEQUENCE DESCRIPTION:
	GATCCAGGGT CCCCCAGGGT GGGCTCAGCT CCAGGGAGAG GCCACCCACG TGGCAGCCCC 60 ACCTCTTGAG AGCCCCCAGT GCCGGAGCAG AAAGGACCCT GGACCCAGAG GCAGNACTG 120
	CGGGGTGGTA GAAAAGGTAG AGTAGGCTGT GGCAATGGAA TAAANCACGA TTAAAAACGT 180
10	TAAA 184
10	
	SEQ ID NO:6647
	SEQUENCE LENGTH: 166
15	SEQUENCE TYPE:nucleic acid
15	TOPOLOGY:linear CLONE:HUMGSO7837
	SEQUENCE DESCRIPTION:
	GATCCTTCCC CTGCAACCAG ACAGTCTACA ACTGCCCCCT CCAGCCCATT INCTGCCGTG 60
	AAACCCCAGC CAGCCANACC AGGCTCTGGA ACCCTTTTTC GACTAGGNCA ACTCTTGGNC 120
20	ACCAGGNGGG GTAGAACACC NAACACCAAA CTGTACAGAN TNTCCN 166
	100
	SEQ ID NO:6648
	SEQUENCE LENGTH: 227
25	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS07838
	SEQUENCE DESCRIPTION:
30	GATCININAT GGTCAGCACC ACCCGCNTAC CCAGTTCCTC CAGTTGGAGAC CAGTTGGGTA 60
	GTGGTGACTG GGTACGCTAC AAGCTCTGCA TTGTNTGCTG ATGGGACGCT CTTCAAGGTG 120
	CAAGTAACCA GCCAGAACAT GGGCTGCCAA ATCTNAGNCA ACCCCGGTGG AAACACTNAT 180 TAAAAGAACC CCAGAGGACA CCAACAGGTG TNTATCTGGN CNTGNCN 227
	TAAAAGAACC CCAGAGGACA CCAACAGGTG TNTATCTGGN CNTGNCN 227
35	SEQ ID NO:6649
00	SEQUENCE LENGTH: 314
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS07839
40	SEQUENCE DESCRIPTION:
	GATCTTTGGG GTTGGAGTGA AGGTCTTATC TGCATTAATT TTGTTAATGC ACATTGTAGA 60
	TGTGGAGAAC ATCTTGACCT GCATAAGGAT TGCGTCTCAT TTTATTGTGT AGTGCTTTTT 120
	CGAAATATTT ACATTTCTTT GGTTCCCATG TTCATGTATT CTGGAGAAGT AAAATTTCTT 180
45	GATTACTGGG CAGACCCTAA AACTACTAAG AGAAACATAA CATGTAGTTA GCTGTCTGCT 240
	CATGGTTTGT TCAAATCTAA GCTAACCTTA ATGGTGCTGT GTCCGCTGTN CACAGAAAAC 300
	GGCCTTAAAG TAGN 314
	SEQ ID NO:6650
50	SEQUENCE LENGTH: 104

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS07840 SEQUENCE DESCRIPTION:	
	GATCCCCTCC CCTGCCCCTG GGTTCCTGCC TTCCNTCCTC AAGCAGGCAC NNAGGCTTTA GAGAAGTATA GGGGGCTTCT CCCCTGCNGG GCTTACCACA NTTN	60 104
10	SEQ ID NO:6651 SEQUENCE LENGTH:358 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07841 SEQUENCE DESCRIPTION:	
15	GATCAAGATG CCGAACCCTG TGTTCAGAAC CTCCAAATAC TGCCATGAGA AACTAGAGGG CAGGTCTTCA TAAAAGCCCT TTGAACCCCC TTCCTGCCCT GTGTTAGGAG ATAGGGATAT TGGCCCCTCA CTGCAGCTGC CAGCACTTGG TCAGTCACTC TCAGCCATAG CACTTTGTTC	180
20	ACTGTCCTGT GTCAGAGCAC TGAGCTCCAC CCTTTTCTGA GAGTTATTAC AGCCAGAAAG TGTGGGCTGA AGATGGTTGG TTTCATGTTT TTGTATTATG TATCTTTTTG TATGGTAAAG ACTATATTTT GTACTTAACC AGATATATTT TTACCCCAGA TGGGGATATT CTTTGTAN	
25	SEQ ID NO:6652 SEQUENCE LENGTH:46 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07844	
30	SEQUENCE DESCRIPTION: GATCCAGTTT GGGATTATGA AATAAACCAC AAATNAAAAT TTTAAA	46
35	SEQ ID NO:6653 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07845 SEQUENCE DESCRIPTION:	20
40	GATCTGGGGG GATGGAAAGC AAAATAAAGG AGGTGCCTGG NTGCATTATT TGCAGTGGGC AAA	60 63
4 5	SEQ ID NO:6654 SEQUENCE LENGTH:290 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7848 SEQUENCE DESCRIPTION:	
50	GATCCACCCA CCTCGGTCTC CCAAAGTGCT GGGATTACAG TCTTGAGCCA CCGGGTGACC GTCTTACAGG GATATTTTNA ATCCCGTNAT GGACTCTGTC TCCAGGAGAG GGGTCTATCC	60 120

	ACCCCTGCTC ATTGGTGGAT GTNAAACCAA TATNCCTTTC AACNGGTGNC TGNTAGGGAA 180
	AANCTACTCC TCATTATCAT CATTATTATT GCTCTCCACT GTATCCCCTC TACCTGGCAT 240
	GTGCTTGTNA AGTNCTAGTT GTTCAATAAA TTTGTNAATA ATGCTGTAAA 290
5	400
	SEQ ID NO:6655
	SEQUENCE LENGTH: 145
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
10	CLONE: HUMGS07849
	SEQUENCE DESCRIPTION:
	GATCTTCCTG GAAATNAGCA GTGACTAACG CTCACATAAC TGGTTTTTTT TTTNAACTGG 60
	GCTGATGAAT ACATTTACCT ANGAAACTCA TTTCGTTTTA CTTAAGAGGG GANGTGCAGT 120
15	TTTNTTTTGG NAGTTCAGAN TCCAN 145
	140
	SEQ ID NO:6656
	SEQUENCE LENGTH: 351
	SEQUENCE TYPE:nucleic acid
20	TOPOLOGY: linear
	CLONE: HUMGS07850
	SEQUENCE DESCRIPTION:
	GATCCTCTGG TTTNTTCCAT TGGGGCGGAG TCGGGGGTGG AGGGAGCTGG CCACAACCCA 60
25	CTGCTCTGAT GGGTGGTTTG TCCAAGNATG CTGAATGTAA TGCCTGGTCA ATGTGGAAGC 120
	CCATNAGGTT GCCCAGGGAA GCCTCCAAAA GCTGGGATGC TTGAGGGTAT CCAAGTTGAA 180
	AAAGACAAAA TCTGACCATC AGCCAGTGAC AGTCCTGGCA AATNAAGGTG GGGCGGGGCA 240
	GTNAGGGGTG GGNGANGGTG AATNNTTCAT TATTCCACCC NGCGGTTTNC TGGGGTGAGG 300
	GGGAAGANTC GNTGCTTGCT TTGGGCACTG ANGGTTTTTC TGTNNGGGGA N 351
30	331
	SEQ ID NO:6657
	SEQUENCE LENGTH: 346
	SEQUENCE TYPE: nucleic acid
35	TOPOLOGY: linear
00	CLONE: HUNGS07852
	SEQUENCE DESCRIPTION:
	GATCATGTGA AGAAAACAGT GACCATTGAA AATNACCCTC ATCTGCCACC ACCTCCCATG 60
	TGTTCAGTTC ACCCATGCAG GCATGCTGAG GTGATGAAGA AAATCATTGA GACTGTTGCA 120
40	GAAGGAGGGG GAGAACTTGG AGTTCATATG TATCTNCTTA TTTCCTTGAA ATTTGTACAA 180
	GCTGTCATTC CAACAATAGA ATATGACTAC ACAAGACACT TCACAATGTA ATGAAGNGAG 240
	CATAAAANCT ATCCTAATTA TTGGTTCTGA TTTTNAAAGA ATTAACCCAT AGATGTGNCC 300
	ATTGNCCATA TTCATCANTA TATACAGTTT CTCTANTAGG GGAANN 346
45	J10
	SEQ ID NO:6658
	SEQUENCE LENGTH: 345
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
50	CLONE: HUMGS07853

	SEQUENCE DESCRIPTION:					
	GATCCACACG CTGGCCCAGG		T TNACCGCAA	G GTGGGCGNA	G ACCCTCTNC	. 61
5	TGTAACGAGG GATNATTCCA	GCAATGGCT	T TOCCOGCAC	F CAGCATGGT	T CCCCAGTAAC	120
Ü	CTCCTGCTGA CCAGCTCCTC	GGGGGAGCT	G TGGAGGATG	TGCGCATCG	TEGACAGCC	100
	CTGGGCTTTA ATGAATGTGG	CATCGTGGC	A CAGATTGCA	GTCCCCTGG	TGCCCCCTCAA	1 240
	ATCTCTGCCT ACTACATCAG	CACCTTCAA	C TTNNCNNNN	: CCCTCCTTC	CCCACCACCA	240
	TATCGGCAGC GTCATCGNGG	GTCCTCCAG	N GENGEENAC	I GCCIGGIIGO LAATON	CCUAGGACGG	
10		oroorooma.	n dandbunkat	ANTUN		345
	SEQ ID NO:6659					
	SEQUENCE LENGTH: 47					
	SEQUENCE TYPE: nucleic	anid				
	TOPOLOGY: linear	aciu				
15	CLONE: HUMGS07854					
	SEQUENCE DESCRIPTION:					
	GATCTTTGTT AAAAAAATAA	A A A CT A CT A		1 mam		
	UNICITIUIT ANAAAAAIAA	AAAGIACIAA	A CATTACAGAC	ATGTAAA		47
20	SEQ ID NO:6660					
	SEQUENCE LENGTH: 35					
	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acio				
	CLONE: HUNGS07855					
25	SEQUENCE DESCRIPTION:					
	GATCCTGCCA CTGCAGAGTG	11100000000				
	UNICCIDEDA CIUCADAUIG	AAACCCIGIC	IUAAA			35
	SEQ ID NO:6661					
30	SEQUENCE LENGTH: 279	,				
30	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS07856					
	SEQUENCE DESCRIPTION:					
35		ACCCACTCCA	T 0.000000000	T000000000		
	GATCCCCCG AAGTCTTCAC	CCACTCACCC	1CGG41TGTC	TGGCGCCCTT	TTCCTCCAGC	60
	CTAAACTGAC ATCATCCTAT TTGCCCCCGA GCTGCCCCCA	CCCNCTCAGL	GGCCACICIC	TUGCCGAAGT	GGCCGCAGTG	120
	AGGTGAAGNG GCCTGGGGGN	CCTCCNTTCC	GGGGGGGTGGT	GNITATAGGT	GCCCAGGCTG	180
	GACCNTTTTN TACTGGANTA	CAAATUNCTT	TTATNATTN	GGACCNIGGG	GCAAACCTGT	
40	UNCONTESTIVE TACTUUMNIA	UAAAINNUII	IIAINAIIN		-	279
	SEQ ID NO:6662					
	SEQUENCE LENGTH: 173					
	SEQUENCE TYPE:nucleic					
45	TOPOLOGY: linear	acid				
	CLONE: HUNGS07857					
	SEQUENCE DESCRIPTION:					
		A AMAA	amana			
	GATCATAATA TAATTGGTTA	CAAAGTGGAA	GTGCCAGCTG	GCTTAAGTAC	CCAAAGAANA	60
50	GAATGCAGCA GCCTAACTTA	GIGTTACCAT	ATGTTACTGA	ATTTGAAACT	GACCTTTTTT	120
	CCCACCCTAC TTCACACACC	IAAAACTCTT	TTTTTGTCAG	ACCAAAGNGC	AAA	173

	SEQ ID NO:6663					
	SEQUENCE LENGTH: 295 SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS07858					
	SEQUENCE DESCRIPTION:					
	GATCCAGTTG TCATCCACCA					
10	AACAGAGAAC AACCTGCTGG					
	CTACATTTTC ATCTAAAGAG					
	TAGATTGTAG AATGGTATTG					
	GTAATCAAGT TTAAGTAATA	GGGGATATAT	AATCNTAAGG	CNTTTTAGGG	TGGCN	295
15	SEQ ID NO:6664					
	SEQUENCE LENGTH: 285					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
••	CLONE: HUMGS07859					
20	SEQUENCE DESCRIPTION:					
	GATCATGGTC AGANTGGAGT	ACCTGGGGGC	TGTCCATGCC	CCCCTTTGGA	CCTAATCCTA	60
	CCCGTCCCCG CCAGCCCCTC					
	TGGTCGAAGG TCAGGGCGAG					
25	AGGAGCTACA AGGGCAGAAG				CACGTGCCTG	240
	CTTGCAAAGA CCCTGAGGAA	GAGGAACTCT	AACANTTNTT	TCCTN		285
	SEQ ID NO:6665					
	SEQUENCE LENGTH: 47					
30	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07860					
	SEQUENCE DESCRIPTION:					
35	GATCCTGTTA GTCACTGTGG	TTCATCAAAT	AAAACTGTTT	GTGCAAA		47
	SEQ ID NO:6666					
	SEQUENCE LENGTH: 75					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY: linear	•				
	CLONE: HUMGS07861					
	SEQUENCE DESCRIPTION:					
	GATCTCTAGA GCTGTCTTGT	CGCCGCCCAG	GATTGACCTG	TGTGTAAGTC	CCAATAAACT	60
45	CACCTACTCA TCAAA					75
	SEQ ID NO:6667					
	SEQUENCE LENGTH: 286					
	SEQUENCE TYPE:nucleic	acid				
50						

5	TOPOLOGY:linear CLONE:HUMGS07862 SEQUENCE DESCRIPTION: GATCCTGCCT GGNCAACCCT TTCCTGTCCC AGGCCCTACA TTCAGCAGAA ACGCACTTTG GACTTTNTCC TTTANATAAA AGAAAGACAT CCCAGGAGAA GGACAAACCA GAGGAGTGAA 1 CCAACAAAGA GTACCTAGGA ATGGAAGTTG AGCCCTGGAA TGGGGCTCCA TGGAGAGGTG 1 CATAGGACTC GGCAGAAATG GCCTCTCCCC AAAGCCTCTT TTTNAGAGGA GAGGGAAGCC 2	20 80
10	TATTTTNTTA AGRAGAMENCA CARLOCKA E COCCERNACE COCCERNACE	86
15	SEQ ID NO:6668 SEQUENCE LENGTH:95 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS07863 SEQUENCE DESCRIPTION:	
		60
20	GCTCAGTAAA CGGGAACATG CCCCCTGCAG CCAAA	95
25	SEQ ID NO:6669 SEQUENCE LENGTH:213 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07864	
30	SEQUENCE DESCRIPTION: GATCTCCTAA TGATGTATTG TGCCGTGGNA GTACTGTGTG TGAATAGCAG TAGTGGGGGC 6 AAAAGCAATC TTCTCATTTG GAAATGTTGT AAATAATTTT ATTATATAGT GTTTTGGATG 12 TATTTGTTGT AGAAATGGNC CAGTGAATAA AGAGAATCTA AGGNTTTGTA CAATGTGAAA 18 TAACGTGTTA AATAANTGTC ATTGTCATAG AAA	20 80
35	SEQ ID NO:6670 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUNGS07865 SEQUENCE DESCRIPTION: GATCTAAAGA CCCGGGAGCG AGAAGCCAAG GCCAGGTTCT GGGNGNAGGG CCCAGAGAAG 6 CAGAACAGCC CAGAGCCCCA GGTGCCTGGC CTGGGCTAGA CCTCTGGAAT TGAGATTAAA 12 CAATTTGGAG TTGGAAA 13	
45	SEQ ID NO:6671 SEQUENCE LENGTH:276 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07866	
50	SEQUENCE DESCRIPTION:	

5	GATCCGCTAC AGCAACGTGA GAAGATGGTT ATCATCACCA GCACCCCAAG CTGCAGAGCA GCGCAGGNTC TACGAAGAAT GGAGGCNTTG TGCAAAAGGN	CCAAGAGCGTT CCAAGCGCTT AGGGTGAAAA	GTCCAGGTAC CATCAAGTGG ACCTCAGAAG	CGAGGTCAGG TACAACGCCT	AGCACTGCCT GGAACGAGAA	120 180
10	SEQ ID NO:6672 SEQUENCE LENGTH:348 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07868	acid				
15	SEQUENCE DESCRIPTION: GATCCTGGAC CAGTCAGAAG GAGCATGGCC GTGGAGAGCA AGCCCGGATT NAGGGAGAAG CATTGAAACG GAGGCTGAGC	CCGGGACTGC GGTCCGTGCT TCCAGAGGGT	CAAGGCGGAG GCAGGCCAAG CCAGAAGGTC	GCCGAGTCCC CTAAAAGCAC CGAGAGCTGG	GTGCGGAGGC AGGCCTTGGC AACTGGTCTA	180 240
20	TGCCCGGGCC CAGCTGGAGC GAAGNAGTTC AAGCAGGTTG				AGGTGGAGGT	300 348
25	SEQ ID NO:6673 SEQUENCE LENGTH:325 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07869 SEQUENCE DESCRIPTION:	acid				
30	GATCTGAGGC CAGCTCCCGT CCTTCTCTTC CTCTTTNAAG GGTGAGCTTN TTGTGCCTTA GTNCGGAGNA CAAGGNCACT CTTTGCTGGA AAGTGTATTT AAAANACNNA AAAANAACAN	CCCTCTCTTC ATNCTGTGAC AGCTGCCCCA GTGCATAAAT	CTCGCTTTCC CCAGGCCCTT GGAAGTTGTG	TTCCTACCTA ACACCANTTT TGATTTTAAA	GCTCCTTGTT NCACCTTCCT TCACTTCTGT	180 240
33	SEQ ID NO:6674 SEQUENCE LENGTH:348					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7870 SEQUENCE DESCRIPTION:	acid				
45	GATCAATGGA ATAGAATTTC TTCTNCTGTT TTTGAGAAGA TTTTNCCCAT TGTCCAAAAA TGGAGTTCTG CAAAGAAGGT TATGGTTACA TTTTATTTTG	GTTTCATATG GTTAAGCAAC AATATTTNCT GCCTATGGGG	CTGGACCACA AAGTGGCCAC TGGNCTTTGC CCTTCTAATA	TTTNAGCTTT ACTTTTACGT CTAANGTTAT CGTTTTGGTA	TATTGTTTTT GNCTACAACC CTCCCCATTC	180 240
	TNTAANGNAA TTNCTTGTCA	AATTTCACCT	CAAAGGTAAT	TTCNTGCN		348

5	SEQ ID NO:6675 SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07871 SEQUENCE DESCRIPTION:	
10	GATCAACTCT CTAATGGTGC TAATGGCAAT CTAGCTAATG TGCAAATTTA GGAAGTCTTC AGTACTAAGT ACATAATTT CAAATAATAT TTTTNAATTG TCTACTTTGG ATGTTAGCTA 1 TGTCTTGTGN GTATAGGATT CCAATTTTAA GCACTATTTT GATGCAAAAN AATGCATAAN 1	20
15	SEQ ID NO:6676 SEQUENCE LENGTH:214 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07872	
20	SEQUENCE DESCRIPTION: GATCATAAAA ATGTGCGCCA ACAACGGCAG GCGCCATCTA AAGCAGCTTC TAAACAGAGA GAGATGCTCA TNGAAGATGT NGGCAGTGAG GNAGAACAAG AAGAGGAGGA TGAGGCACCA 1 TTCCAGGAGA AAGATCCGG CAGCGATGAA GATTTCCTAA TGGACGATGA TGACGNTNGT 1 NACTATGGCA GTTCGAAAAN GAAAAACANA TNNN 2	20
25	SEQ ID NO:6677	
30	SEQUENCE LENGTH: 138 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07875 SEQUENCE DESCRIPTION:	
35	GATCCCCCAA GCCTGACGNG CCGNTNACCA TCCCCTCTGC CCTGCAGAGN CAGCCGCCAA GGNTGACCTC AGCTTCGGAG CCACCTCTGG ATGAACTGCC CCCAGCACCC GCCCCATTAA 1 AGACCCGGAA GCCTGAAA	
	SEQ ID NO:6678 SEQUENCE LENGTH:208 SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY:linear CLONE:HUMGS07876 SEQUENCE DESCRIPTION: GATCCATCGC AGAGTCCTAA AGAAGAACCC ACTGAAAAAN TTGAGANTCA CAAGCTCCGG	60
45	GTGGATAAGG CAGCTGCTGC AGCANGGCAC TACAAGCCAA ATCAGATGAG AAGGCGGCGG 1 TTGCAGGCAA GANGCCTGTG GTAGGTAAGA NAGGAAAGAN GGCTGCTGTT GGTGTTAAGA 1	20
50	SEQ ID NO:6679 SEQUENCE LENGTH:188	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7878 SEQUENCE DESCRIPTION: GATCTCCTGG AGGCTACAGG AGCAGGTGGG CAGGGGCCTT ATTTTNATGG GATAGAGATA	G GAGCAGAGGC	CATTTCTTCC	TTCCCTTATC	ACCGTTAGCC	120
10	TGTGCAAA					188
15	SEQ ID NO:6680 SEQUENCE LENGTH:35 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7879					
	SEQUENCE DESCRIPTION: GATCTTGGTG GTAGTAGCAA		CCAAA			25
	UNICITUDIS STAGIAGCAA	AIAIIUAAAU	GUAAA		•	35
20	SEQ ID NO:6681 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic	acid				
25	CLONE: HUMGS07880					
	SEQUENCE DESCRIPTION:	00.0000000				
	GATCTTCCGT GGTCAGAGTG					
	CTTGGTCAGA GCCACTCTAT TTTGTNTTTT GAAAGCCCAA					
30	GTGTCCTATC CCTGCCAAGT					
	TCCCTCACCC CCATGGCCCC					297
35	SEQ ID NO:6682 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic TOPOLOGY:linear		outuunnet	CACTITOCT	IOIONIN	231
	CLONE: HUMGS07881					
	SEQUENCE DESCRIPTION:					
40	GATCCAAGAT ATCACTTAGA	AA				22
45	SEQ ID NO:6683 SEQUENCE LENGTH:292 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07882 SEQUENCE DESCRIPTION:			·		
	GATCCAGCTG TGGTTCCAGA					60
50	CAGNATCCAC CCAGNCTGAG	GCTCAAGCTG	CCCTTACCAC	CCCATCCCCC	ACGCAGGACC	120

	AACTACCTCC GTCAGCAAGA	ACCCAAGCCC	ACATCCAAAC	CTGCNTGTCC	CAAACCACTT	180
	ACTTCCCTGT TCACCTNTGN	CCNACCNCAG	CCCAGAGGAG	TTTGNGCCAC	CAACTTCAGT	240
	GNCTTTTTGT ACCCNAAGNN	AGCACAAGAT	TGGACCAATA	NTTTTTGNAG	TN	292
5						
	SEQ ID NO:6684					
	SEQUENCE LENGTH: 247					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS07883					
	SEQUENCE DESCRIPTION:					
	GATCTGCCTT AGCCTCACTG	CTTGCCCCTA	AGTGGTGGGA	TTGCAGGTGT	CACCCACTCT	60
	GCTGGCCTCA AATAGTTTTN					
15	CTAATTCAGT GCTTTATTTT					
15						
	ATGGGACCTA GTCATCTGTA	IGINAGATIC	ACAUAUUAAI	IAAAGAGAIA	AACATGCATG	
	TNCTAAA					247
	CEO ID NO. CCOF					
20	SEQ ID NO:6685					
	SEQUENCE LENGTH: 37					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07884					
25	SEQUENCE DESCRIPTION:	.=				
	GATCCACAAC TACACACATC	ATAACCACAC	CATCAAA			37
	GEO ID NO. COOC					
	SEQ ID NO:6686					
30	SEQUENCE LENGTH:81					
	SEQUENCE TYPE:nucleic	acıd				
	TOPOLOGY: linear					
	CLONE: HUMGS07885					
	SEQUENCE DESCRIPTION:					
35	GATCTCTGAG GAGTTCCCTG		AGCAGCCTCT	GGAGAGGGGC	CATTAATAAA	60
	GCTCAACATC ATTGNACNAA	A .				81
	ODO ID NO COOR					
	SEQ ID NO:6687					
40	SEQUENCE LENGTH: 237					
40 .	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS07886					
	SEQUENCE DESCRIPTION:					
45	GATCAGCCTT TCCAGGTGCT					60
	CTGCAGTTGC TCTGCGCTGC					
	GGGGTCTCTC CCGAAGAGTT					180
	TGCACTGTTG GAAATGTGCT	CNATTTAATC	ATGCAGATAA	ACCATTTAAA	TGTCAAA	237
50	SEQ ID NO:6688					

5	SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07887 SEQUENCE DESCRIPTION:	
	GATCTCTTGA GCCCAGGAAG CCGAAGCCAC AGTGAGCTGT GATTGCACCA CTGCACTCCA GTCTGGGTGA CAAGAGTGAG ACCCCATCTC AAA	60 93
10 15	SEQ ID NO:6689 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07889	
75	SEQUENCE DESCRIPTION: GATCGCAGCA TTGCACTCCA NCCTGGGCAA CAAGAGTGAA ACTCTGNCTC AGAAAAGAGA AA	60 62
20	SEQ ID NO:6690 SEQUENCE LENGTH:221 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS07890 SEQUENCE DESCRIPTION: GATCCTCCTG CTTCAGCCTC CCAAAGTGCT AGGATTATAG CCACCGCACC TCGTCTTGAA ATAGCCTTTT AAATGTTCAC CTCAGCTTGC CTCACAGTGG GTCTGTTCCT GGTTTCCCAG	60 120
30	ATGCATAAAG GAAGACATAT CCCTCCCCTG GGNAGCAAGG CTACAATGGG AGGGAGGGAG 1 AACATGGGAG CATGTGAATA AAATGGCATT AANTACTGAA A	180 221
35	SEQ ID NO:6691 SEQUENCE LENGTH:210 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07891 SEQUENCE DESCRIPTION:	
40	GATCATCAAG AAAAAAGAAA CTTAAATGGA CACTTTTAAT GCTGCAAATN AGCTTGTCGT GAAGTTACCT GATTGTNTAA TTAGAATGAC TACCACCTCT GTCTGATTCA CCTTCGCTGG 1 ATTCTAAATG TGGTATATTG CAAACTGCAG CTTTCACATT TATGGCATTT GTCTTGTTGA 1 AACATCGTGG TGCACATTTG TTTAANCAAA	
45	SEQ ID NO:6692 SEQUENCE LENGTH:169 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7892	
50	SEQUENCE DESCRIPTION:	

5	GATCTGTCAT CTTCATAGCA ATTTGTTTTN CTTTTAAAGT CCTGGNCANT GAGGCGGAGC	AAATGCAAGT	ACCAAAGCTC	ACTACTGCGG		
10	SEQ ID NO:6693 SEQUENCE LENGTH:226 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS07893 SEQUENCE DESCRIPTION:	acid				
15	GATCTCTGCT TACCGTTCAA CAGGACCAAG GGGGCGGGGA CCTTGGGCAG AATGAATTCG TTCTGTCATT TACACACGTC	CTGCTGGCTC ATGCGTATTC	ACGCCCCGCT TGTGGCCGCC	GTGTCCTCCC ATCTGCGCAG	TCCNTCCCTT	120
20	SEQ ID NO:6694 SEQUENCE LENGTH:31 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07894	acid				
25	SEQUENCE DESCRIPTION: GATCTCTTAA ATAAACTTGC	TTCTGGTTAA	A			31
. 30	SEQ ID NO:6695 SEQUENCE LENGTH:182 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07895 SEQUENCE DESCRIPTION:	acid				
35	GATCTAAATT TGTTTATTTA TTGGNCCCAG TATATCAGAT GATTCTGGAT GTNCGNGTTT AA	TTTNATTGAG	TAAAATGTTA	AAAATAATAA	GTGTAACTCA	
40	SEQ ID NO:6696 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUNGSO7896 SEQUENCE DESCRIPTION: GATCCCAACC CTGTGTCCTG GNCCTCCCTA CCGGCGAGAG GATGGCTGAA GGAGACGCCG	TCCAGAGTGG	GTACAGGAGC	AAGGGGCACT	GCTGGGGCCT	
50	AGTAAAATCC TCCCACTGCN	AAA				203

5	SEQ ID NO:6697 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07897				
10	SEQUENCE DESCRIPTION: GATCAAATGA AATAATGTAA CGTGAGNATA	CAGTATAAAT	GATAAAGGAA	A	51
15 _.	SEQ ID NO:6698 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07898 SEQUENCE DESCRIPTION: GATCTCCGGG CAGCCACCAC CTCCTCGGTC	TGCCCCNTCA	TTAAAAAGTC	CTCCTTCCAT	60
20	AGAAA				65
25	SEQ ID NO:6699 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07900 SEQUENCE DESCRIPTION:				
	GATCTAGTGC CTAGTGTTGC TTTTCTGATG	TAATAAAAGG	TGGTCTGGCA	GAACCTAAA	59
35	SEQ ID NO:6700 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07901 SEQUENCE DESCRIPTION:				
	GATCCAGAGC CACAGAAAGA AATGTAGGTG TGGCAGATGG AGGCATCAAG CACAAGGAAA GTTCATGTN				
40	GEO ID NO. CZOI				
45	SEQ ID NO:6701 SEQUENCE LENGTH:39 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07902 SEQUENCE DESCRIPTION:				
50	GATCTTAAGT TTACAATTAA AAACTCAGTA SEQ ID NO:6702 SEQUENCE LENGTH:56	CTCAATAAA			39

	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS07903					
3	SEQUENCE DESCRIPTION: GATCCCCCG GGCATGGCCT	<u> </u>	TOLLTOLLLO	CACOTCAACT	CTCAAA	٣.
	GATCCCCCG GGCATGGCCT	0000100111	IGAAIGAAAC	GACCIGAACI	GICAAA	56
	SEQ ID NO:6703					
10	SEQUENCE LENGTH: 31					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS07904					
	SEQUENCE DESCRIPTION:					
15	GATCCTTTTA AAATAAAAAT	NTTGATGCAA	A			31
	SEQ ID NO:6704					
	SEQUENCE LENGTH: 108					
20	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS07905					
	SEQUENCE DESCRIPTION:					
	GATCAGGAGC CTTCATTAAA	ACAGAAATTT	TAGGGAAAAC	CACAAAAACC	TTCGTAAAGT	60
25	GAATTGCATT AAACATCAAT	TATAATAAAA	TTTCATATTT	TGANTAAA		108
	SEQ ID NO:6705					
	SEQUENCE LENGTH: 29					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS07909					
	SEQUENCE DESCRIPTION:					
	GATCAAAAGG GACAAGCATC	AAGCACAAA				29
35						
	SEQ ID NO:6706				•	
	SEQUENCE LENGTH: 152	.,				
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
,5	CLONE: HUMGS07911					
	SEQUENCE DESCRIPTION:	CACACTCCTC	1010700100	OTTOTOO . T	COCCACOTOC	••
	GATCATGGGC AAAATCTAGC					60
	GTATAAAAGT CCCTACTAAC			11011110111	NAGAATGCCI	
45	CAATGAGATT TTGATACATC	CAAGAGCGCA	AA			152
	SEQ ID NO:6707					
	SEQUENCE LENGTH: 129					
	SEQUENCE TYPE: nucleic	acid				
50	TOPOLOGY: linear					

5	CLONE:HUMGS07912 SEQUENCE DESCRIPTION: GATCTAAAAA ATACAAAATG GTAGCAGNGN AAAACTAATT TTAACTGAN					
10	SEQ ID NO:6708 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07913	acid				
15	SEQUENCE DESCRIPTION: GATCCGCACT GGGGGTTCTG AGCCTCTNTG GNGCCATTCG					60 118
20	SEQ ID NO:6709 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07915	acid				
25	SEQUENCE DESCRIPTION: GATCTTTCCC AGTATCTNNA CCTATCGNCT CCTTAAGGGC CCAGCATTGG AGANGAAGCT	GGGATGAACT				60 120 149
30	SEQ ID NO:6710 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07916	acid				
35	SEQUENCE DESCRIPTION: GATCAGGTGG TCAAGGTGCT GTGGTCAACA TCCTCATTGG CTTGTGGGTC AGNACGCTTN AGTCTCATNA TTGCTTACCC	GAGGACGGAC GCTGCCTTCC	TTCCGCGATG TACCCCTGGA	GCTCCATTGC CTGTNTCCAA	TGTATAGGGC NTGGTTTTNG	
40		· · · ·				
45	SEQ ID NO:6711 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07917 SEQUENCE DESCRIPTION:			NEG LOCAL TO		
50	GATCCGCAAA GAGGAAGACC TGTGCGGGCT CAGGGTTCCT GGGGCTGGCC TCTCTTGCCC	NNACACACTA	GNTGTGGGAA	GCCATAGGAG	CCTCCAGATG	120

5	SEQ ID NO:6712 SEQUENCE LENGTH:48 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07918 SEQUENCE DESCRIPTION: GATCACGNCA TGGCACTTCA		CAGAATGAGA	CTATTAAA		48
10	SEQ ID NO:6713 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07919	acid				
	SEQUENCE DESCRIPTION: GATCGTGTCA CTGAACTCCA	GNCTGGGTAA	CAGTGCGACT	CTGTCTCAAA		50
20	SEQ ID NO:6714 SEQUENCE LENGTH:156 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07920	acid				
25	SEQUENCE DESCRIPTION: GATCTTTGTT TAAATGCCAA AGTTTNATGT ATGTATATAA GTGAGTTTTA CTCTTAAATC	TCATGCTCAT	GTATATTTAG			
30	SEQ ID NO:6715 SEQUENCE LENGTH:208 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGS07921 SEQUENCE DESCRIPTION: GATCGATACC CCCACCCCTC CTGTTGTCTT CCCCTCGGCC					
40	GGGCCTGATG NGNAGGGGTA TGGGGGNAAG CTGTTATTTT		GAGCATAGCA	CATTTTCCTA	GAGCGNGAAT	180 208
45	SEQ ID NO:6716 SEQUENCE LENGTH:57 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7922 SEQUENCE DESCRIPTION:	acid				
50	GATCACGACA CTACACTCCA	GCCTGGGGGA	CCGGGCAAGA	CTCTGTCTGT	CTTTAAA	57

5	SEQ ID NO:6717 SEQUENCE LENGTH:333 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07923 SEQUENCE DESCRIPTION: GATCTTGAAA AAAAAAGCAA AAGCTTAAAT ATTTGATACA AGTTTACTTA GCTACAACAT ACTTTACATT GTTGCCTTTA GTTATCTCAC AGGCACTGAC ATTTTATATT TAGAAAATAC TTTTAATCTT NCTAATCTTT TTTTGTAAAT ATTAGTGTCC ATTCTGTATG ACTCGCTAAC CTACTTTGCA AGGCTTTGGG CAACATTTTA GCTCATTAAC TTCAAGATGA TGTGTCATCT: GTATAGGTCA AAGAATGGGN CTTCTGAACT GAGGAATTTT GCTGTTGACA GCCAAAGTNT: AGTGTACAAG GTTTGATGNA ACTNGNTTAT GTN	120 180 240
15	•	000
20	SEQ ID NO:6718 SEQUENCE LENGTH:57 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07925	
	SEQUENCE DESCRIPTION:	
	GATCTTGGAC TTCCCAGCCT CCAGAATTGT GAGAAATAAA TTTCTGTTGT TGATAAA	57
25 30	SEQ ID NO:6719 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07927	
	SEQUENCE DESCRIPTION: GATCTTTGCT TAATAAGANG AAAAAAGAGG CAAGGAGAAA ACGAAGAGAA AGAAATTTTG AAA	60 63
35	SEQ ID NO:6720 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07928	
40	SEQUENCE DESCRIPTION: GATCCNGTGT TCTTCTGTGA AA	22
45	SEQ ID NO:6721 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07932	
50	SEQUENCE DESCRIPTION:	
NO.		

5	GATCCGGCTT GGACAGGCAC GCCCTGCCCT TCCCATGAGG TCTGTTTAAT TGAAAAAGNG ANCAAA	CAGGCTCTTC	AGTGAGTGTT	TGAACGTAAT	TATGTAGTTT	120
10	SEQ ID NO:6722 SEQUENCE LENGTH:45 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07933	acid				
15	SEQUENCE DESCRIPTION: GATCCAGGTG TTTGTTTCTA	ACTTCTGTAA	TACATACAAT	GCAAA		45
20	SEQ ID NO:6723 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07934 SEQUENCE DESCRIPTION:	acid		·		
25	GATCATGGTG ATTTNACTGC CTGATGGCAG TAAAGAGACC ACCCINITGG TACGCAAAAC	ACCAGCAGTG	ACACCTGCCA	ATNACAGATG	CAAGCCCAAC	60 120 173
30	SEQ ID NO:6724 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07935 SEQUENCE DESCRIPTION:	acid				
35	GATCCCAAGC CCTGCATTGT	AAGCCCACAG	TAGGCACTCA	ATAAATGCTT	GTTAAAGGAA	60 61
40	SEQ ID NO:6725 SEQUENCE LENGTH:269 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07936	acid				
45	SEQUENCE DESCRIPTION: GATCCTGCAG AAGAATAACC GCCTCAGGAA CAGTCCAGAC CAGAGTTCAT GAATATCATT CTGTGCGCGA TGAGNAAGNT GGAGACCCNG GGGCCCAGGG	TGGGGCGGTG GCCAATNAGA GGTGGNCTNT	TGGTCATATT TTGGGTCAGA	ACACAGNNAG GGAGACCCTC	GAGGGTGATT CTGTTCTTAA	120 180
50	SEQ ID NO:6726					

5	SEQUENCE LENGTH:229 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07937	
10	SEQUENCE DESCRIPTION: GATCCCTCAT CCCTGAAATT GAGTTTATGT AGTCATTTTA CTTATTTNAT TCATTAGCTA 60 ACTTTGTCTA TGTATATTTN TAGATATTGA TTAGTGTAAT CGATTATAAA GGATATTAT 120 CAAATCCAGG GATTGCATTT NGAAATTATA ATTATTTCCT TTGCTGAAGT ATTCATTGTA 180 AAACATACAA AATAAACATA TTTNAANACA TTTGCATTTN ACCACCAAA 229	
	SEQ ID NO:6727 SEQUENCE LENGTH:50	
15	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07938 SEQUENCE DESCRIPTION:	
20	GATCCATGAA CTCTGACCCC TCCCCAGTAA AGGCTTCTGT AGAGAGCAAA 50	
25	SEQ ID NO:6728 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07939	
30	SEQUENCE DESCRIPTION: GATCCCCGCA CCAGCCTCT CTCTCTTTCC CTGCAACCTG TTACCTCACA CAGCTGCTCA 60 GGAACAGCAG AAATAGTAAA ACTCTTCCAT ATATGTGGCA CCTCAGCCGC CCCTCCNTTA 120 AA 122	
35	SEQ ID NO:6729 SEQUENCE LENGTH:213 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07941 SEQUENCE DESCRIPTION:	
40	GATCAGGAAG TTCTTAGATT CTTGGATGAC AGATGCATGT TGATGCCCTA TGGAGATGTC 60 CTTNTGTTTT GAGGTCACTG AGGTAGGAAG ACCTGTCTAC TCTTGGTTTC ACCACTAGAA 120 CAGTCTTGGG CTGGATGGGT TATAGAGCTG AGCGGCTGTA ATGGTTCTNT TTTTACATTA 180 ACAAAAACAA TTAAAAACAC CAAAAACAAC AAA 213	
45	SEQ ID NO:6730 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07942	
50	SEQUENCE DESCRIPTION:	

	GATCCCAGGN ATTCAAGGTT ANCAGAGANN GACCTGTCTC		ATGATTGCAC	CACTGTACTC	CAGCCTGGGC	60 85
5	SEQ ID NO:6731 SEQUENCE LENGTH:313 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS07944 SEQUENCE DESCRIPTION: GATCCAGCTG GAATTTGAGG	ACACTGGAAC	AATGAGGTCA	GCTTCCAAAA		60
15	CAAAACTTTA AACATCTGTG ACTTAGGTTC CACAATTAGC CTCCCCTGCC CTNATTGTGA	TAAGTACAGG CATGGCCAAT	GTGGAATATA CTTGTGTGAT	ATGAATTCCA AGGTATGTCC	GGTACCCATC CTACCTATTT	120 180
	TAACCATGCC ATCATTGTAC CNNGNCTNAN NTN	AAANNTAATG	CTATTANNTT	CCTTANTNTN	ATCAAATNTT	300 313
20	SEQ ID NO:6732 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07945	acid				
25	SEQUENCE DESCRIPTION: GATCACTTGA ACCTAAGAGT ACTGTCTCTT AAA	TTGAGGCTGC	GCACTGCACT	CTGGCCTGAC	AGAGCGAGTC	60 73
30	SEQ ID NO:6733 SEQUENCE LENGTH:257 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUNGS07946 SEQUENCE DESCRIPTION: GATCTGAATT CTAATGCTGG GCCCAGTTTA ANTTTCCCCA					60 120
40	TCTGAATATG AAGTGTGTTG AAACTGGCCT GGTTTGCCTT NCCTAAAAAN AAAAACN	-				
45	SEQ ID NO:6734 SEQUENCE LENGTH:148 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7948 SEQUENCE DESCRIPTION:	acid				
50	GATCCTTTAG CCTCCTGGNA AGTGCCAGTC CTCTGCCAGG					60 120

	TAAAGATGTC AGTTCTAAAG	GAGGNAAA				148
5	SEQ ID NO:6735 SEQUENCE LENGTH:289 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07949	acid				
10	SEQUENCE DESCRIPTION: GATCATATCC AATTCATATG TGGTTCTCAA TGTGCCAGCA AATACACAGG GAAGGGTGAT	GGGCCTCAGT	ACCTGAGCCT	NAATCAAGCC	TTATCCACCA	120
15	NAGATGANTA CTTTGCTGGA GGGACAGTGC CGGGAGGTNT				GGCACAGCAG	240 289
20	SEQ ID NO:6736 SEQUENCE LENGTH:114 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07951	acid				
25	SEQUENCE DESCRIPTION: GATCAGGCTT TTAAATACTC AGTAAAAAGA GTATCTNATA					60 114
30	SEQ ID NO:6737 SEQUENCE LENGTH:229 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07952 SEQUENCE DESCRIPTION:	acid				
35	GATCACCCAG CATCCTTCCC TATTTTGTAT CATCGTGCCT TTATCCTGGA CATGAATGTA TTTCTTTGCA ATGCATTGTA	ATAGCCGCTG TTGTACACTG	CCACCGTGTA ACGCGTNCCC	TAAATCCTGG ACTCCTGTAC	TGTATGCTCC	
40	SEQ ID NO:6738 SEQUENCE LENGTH:295 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGS07953 SEQUENCE DESCRIPTION: GATCTCTTGT NCTTTAATTT	TAGGGTCTTG	TTCCAGGACT	CAAATCAGTA	ACTTGGTGAT	60
50	TACAAGGTGC TGAATGTGTT TTTTNATTTT TAAAATATTT ACATGCCTAG CCTACAGAAG	GGTAACCATA NCATTTTTC	TCGCAATACA CTTGAATTTN	CCTCAAGGAA ATATCCGTTT	AAGGTTCAGA GTCCACTCGT	180
30	ATTTTGCTTG AAATGCAAAG					295

5	SEQ ID NO:6739 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07954 SEQUENCE DESCRIPTION: GATCATAACA CTACTCCAGT CCAAACTAAA CCTAAAGCAA	CTGGGTGATG	AAGTGAGACC	TGTCTACAAA	AAAAAGAAGC	60 85
10	SEO ID NO. 6740					
15	SEQ ID NO:6740 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07955	acid				
	SEQUENCE DESCRIPTION: GATCAGGCTG GTCTCAAACT	CCTCGGTTCA	AGCAATTCGC	CCACCTTGGC	CTCCCAAAGT	60
20	GCTGGGATTA CAGGGGAGCC AAAACCAGTG ACCCTGTATT	ACTGCACTGG				
	SEQ ID NO:6741					
25	SEQUENCE LENGTH:81 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07956	acid .				
	SEQUENCE DESCRIPTION:					
30	GATCCTAACA TGTATTGATT AAATAAAAGT GCAATTTCAA		AATATGTAAT	AGCCACACTT	CACTGTTTTA	60 81
35	SEQ ID NO:6742 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07957	acid				
	SEQUENCE DESCRIPTION: GATCTTGTCT CCAATTAAAC	CGAGGCTTTC	ACCGATAAAA	ААААААСААА		50
40						
45	SEQ ID NO:6743 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7958 SEQUENCE DESCRIPTION:	acid				
	GATCTGATGA AGTATATNTT TAAACTTGAA AAATGTTTTT			_		60
50	IIIIIVAA AADIIIOAAAI	MUIDIUM	VIVVVIOUVY	GCIACITINA	CINNN	115

5	SEQ ID NO:6744 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07959 SEQUENCE DESCRIPTION: GATCGGGCTA CTACAAAGTT CTGGGAAAGG GAAAGCTCCC AAAGCAGCCT GTCATCGTGA 60
10	AGGCCAAATT CTTCAGCAGA NGAGCTGNGG AGAGATTAAG AGTGTTGGGG GGGCCTGTGT 120 CTTGGTGGGT TTAAGGCNCA TTGGNGGGNA NTTCATTNAA TTNTTACTTC TTTTN 175
15	SEQ ID NO:6745 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07960 SEQUENCE DESCRIPTION:
20	GATCAAAAGT AACACGINNA GACTCIGAGC TTAATCCATT AAATGGATTI NAGCATCIAA 60 A 61
25	SEQ ID NO:6746 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07961 SEQUENCE DESCRIPTION: GATCATNAAC TACACTGGTT ATNTGGAAGT CTAGGTTCTG GTCCTGCTAC CCCTTTAACT 60
30	TGAGTNATTT ACAAGTCTGT TTAAAAGTTT CTAGACATAC ACTGGTTTGN TTTTTAAA 118
35	SEQ ID NO:6747 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07963 SEQUENCE DESCRIPTION:
40	GATCGCCCAA CGTTTTTGGN TTATAGAATT ATTATTTCCT GCTTTCTTTC TTTGGGTCTT 60
40	TTGAATTTCT TTGGTTTCGT NTTTAAGAAG TAACCCANCA TTTCCTACAA CACTAAATAA 120 AATGGTACTT ACCTTTCAAA 140
45	SEQ ID NO:6748 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO7964 SEQUENCE DESCRIPTION:

	GATCCCCGTT CCACCCCAAG AGAACTNGCG CTCAGTAAAC GGGAACATGC CCACTGCAGA CACGTAAA	60 68
5	SEQ ID NO:6749 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS07965	
10	SEQUENCE DESCRIPTION: GATCCCCCCT GCCTATCAGC TTCTCCTGTG GNGCCTGTTC CTCACTGGAA ATTGGCCTCT	60 79
15	SEQ ID NO:6750 SEQUENCE LENGTH:28 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY:linear CLONE:HUMGS07966 SEQUENCE DESCRIPTION: GATCGAAAGG GAGGCAGGTT TGCCTAAA	28
	SEQ ID NO:6751	20
25	SEQUENCE LENGTH:294 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07967	
30	SEQUENCE DESCRIPTION:	
35	GNCCAGATNC GNCTGCTGGG AAGAGCTCCC CTNCACAGCT GCAGCTGAAT GCATTAGGGC 2	
	SEQ ID NO: 6752 SEQUENCE LENGTH: 160	
40	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07969 SEQUENCE DESCRIPTION:	
45	GAGAAACAGC TGTGAAACTT TGAACCCTGG CTGGAAGGTC CTGGTATTGA CTGTGGCANG 1	60 20 60
	SEQ ID NO:6753 SEQUENCE LENGTH:98	
50	SEQUENCE TYPE: nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGS07971 SEQUENCE DESCRIPTION: GATCAGATTC ACGGACCCAG AGCTTTTCCA TGTGTTTATA TTGTAAATAT TTTTNATTTC ATCAAATTAT TTATTCATTA AAAGAAATTT TTGTGAAA	60 98
10	SEQ ID NO:6754 SEQUENCE LENGTH:35 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07973	
15	SEQUENCE DESCRIPTION: GATCCTGTCT CTTAGGAAAA AAGAAAACCT CTAAA	35
20	SEQ ID NO:6755 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07974	
25	SEQUENCE DESCRIPTION: GATCAAAGAC CCTGCCTCTA TTTNACCCCG CACTGACTGA ATAAAGCTCC TCTGGCCGTT NAAA	60 64
30	SEQ ID NO:6756 SEQUENCE LENGTH:38 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07975 SEQUENCE DESCRIPTION:	
35	GATCATCTGA GCTGAAGAAA TAAAAAAACA CACACAAA	38
40	SEQ ID NO:6757 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07976	
	SEQUENCE DESCRIPTION: GATCATTCAT ACACTATATT TATTTTTNCA TTAAAANTATT TTAAAACCTT TGGAAA	56
45	SEQ ID NO:6758 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE: HUMGS07977 SEQUENCE DESCRIPTION:	

SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07981 SEQUENCE DESCRIPTION: GATCTACAGA AGCTTTNATT CTCTTACCTT AACAGTAGTA ATAAAGTTAA CATINTCACA 60 TCAAA 65 SEQUENCE DESCRIPTION: GATCTGTGT:106 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07986 SEQUENCE DESCRIPTION: GATCTGTGTG TTGTGGGAAG AGAATTTCA ATATGTAACT ACGGAGCTGT AGTGCCATTA 60 GAAACTGTGA ATTTCACAT AAATCTGAAC ACTTGTCTT ATTAAA 106 SEQUENCE LENGTH:106 SEQUENCE LENGTH:106 SEQUENCE LENGTH:106 SEQUENCE LENGTH:106 SEQUENCE CHYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07987 SEQUENCE DESCRIPTION: GATCTCATGG CTTTGATTGN TTTGGGCTGT TCAAAATGTT TATTTGNAAA ACGTATACAT 60 TAATAAACTT AACAAAGCGN TATAAAATAC AGCGNAATCA CCCAAA 106 35 SEQUENCE SEQUENCE DESCRIPTION: GATCGAGG CTTTGATTGN TTTGGGCTGT CCAGATGCTN NCATTAGCT 60 TAATAAACTT AACAAAGCGN TATAAAATAC AGCGNAATCA CCCAAA 106 40 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07988 SEQUENCE TYPE:nucleic acid TOPOLOGY:Linear CLONE:HUMGS07988 SEQUENCE TYPE:nucleic acid TOPOLOGY:Linear CLONE:HUMGS07988 SEQUENCE TYPE:TUCLEIC ACTTGATACG TCCGTGGTC CCAGATGCTN NCATTAGCT 60 ATATGGTTCT CCAGAGAACT GAATGAATCC ATTGGAGAAG CGGTGGATAA CTAGCCAGAC 120 AAAATTGAG ANTACATAAA CAACGCATTG CCACGGAAC ATACAGAGGN TGCCTTTTCT 180 GTGATTGGGT GGGATTTITT CCCTNTTTAT GTGGGATATA GTAGTTACTT GTGCCAAGAA 1300 TAATTTGGAT TATTCTN TTANTATACA CTCTGANGCT AACTTGATCT AATCTGGAT 300 TGTGTTTGNT CCNANTAANC GTGANGTGAA CCTGANGCT AACTTGATCA AATCTGGAT 300 TGTGTTTGNT CCNANTAANC GTGANGTGAA CCTGANGCT AACTTGATCT AATCTGGAT 300 TGTGTTTGNT CCNANTAANC GTGANGTGAA CCTGANGCT AACTTGATCT AATCTGGAT 300 TGTGTTTGNT CCNANTAANC GTGANGTGAA CCTGN SEQUENCE LENGTH:169			GATCTTTCAT CAAGATTTTA ATGTAACCTA TGTCTAATTA				GGCTTGAGGC	60 105
GATCTACAGA AGCTTTNATT CTCTTACCTT AACAGTAGTA ATAAAGTTAA CATTNTCACA 60 TCAAA 665 SEQ ID NO:6760 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS07986 GAACTGTGG TTGTGGGGAAG AGAATTTCA ATATGTAACT ACGGAGCTGT AGTGCCATTA 60 GAACTGTGG ATTTCCACAT AAATCTGAAC ACTTGTCTTT ATTAAA 106 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS07987 SEQUENCE DESCRIPTION: GATCTCATGG CTTTGATTGN TTTGGGCTGT TCAAAATGTT TATTTGNAAA ACGTATACAT 60 TAATAAACTT AACAAAGCGN TATAAAATAC AGCGNAATCA CCCAAA 106 35 SEQ ID NO:6762 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS07988 SEQU			SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO7981	acid				
SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7986 SEQUENCE DESCRIPTION: GATCTGTGTG TTGTGGGAAG AGAATTTCA ATATGTAACT ACGGAGCTGT AGTGCCATTA 60 GAAACTGTGA ATTTCCACAT AAATCTGAAC ACTTGTCTTT ATTAAA 106 25 SEQ ID NO:6761 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7987 SEQUENCE DESCRIPTION: GATCTCATGG CTTTGATTGN TTTGGGCTGT TCAAAATGTT TATTTGNAAA ACGTATACAT 60 TAATAAACTT AACAAAGCGN TATAAAATAC AGCGNAATCA CCCAAA 106 35 SEQ ID NO:6762 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7988 40 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO7988 40 SEQUENCE OESCRIPTION: GATCGAAAGG GCCACCATGA ACTTGATACG TCCGTGTGTC CCAGATGCTN NCATTAGTCT 60 ATATGGTTCT CCAAGAAACT GAATGAATCC ATTGGAGAAG CGGTGGATA CTAGCCAGAC 120 AAAATTTGAG ANTACATAAA CAACGCATTG CCACGGAAAC ATACAGAGGN TGCCTTTTCT 180 GTGATTGGGT GGGATTTTTT CCCTNTTTAT GTGGGATATA GTAGGTACCT AACTTGAGAT 3000 TGTGTTTGNT CCNANTAANC GTGGANGGAA CCTGGA AACTTGTACTT GTGCCAAGAN 240 TAATTTTGGC ATNATTTCTN TTANTATCAA CTCTGANGCT AACTTGTACT ATCTGAGAT 3000 TGTGTNTGNT CCNANTAANC GTGGANGTGAA CCTGN 335			GATCTACAGA AGCTTTNATT	CTCTTACCTT	AACAGTAGTA	ATAAAGTTAA	CATTNTCACA	
SEQUENCE DESCRIPTION: GATCTGTGTG TTGTGGGAAG AGAATTTCA ATATGTAACT ACGGAGCTGT AGTGCCATTA 60 GAAACTGTGA ATTTCCACAT AAATCTGAAC ACTTGTCTTT ATTAAA 106 SEQUENCE LENGTH:106 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07987 SEQUENCE DESCRIPTION: GATCTCATGG CTTTGATTGN TTTGGGCTGT TCAAAATGTT TATTTGNAAA ACGTATACAT 60 TAATAAACTT AACAAAGCGN TATAAAATAC AGCGNAATCA CCCAAA 106 SEQUENCE LENGTH:335 SEQUENCE LENGTH:335 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07988 40 SEQUENCE DESCRIPTION: GATCGAAAGG GCCACCATGA ACTTGATACG TCCGTGTGTC CCAGATGCTN NCATTAGTCT 60 ATATGGTTCT CCAAGAAACT GAATGAATCC ATTGGAGAAG CGGTGGATAA CTAGCCAGAC 120 AAAATTTGAG ANTACATAAA CAACGCATTG CCACGGAAAC ATACAGAGGN TGCCTTTTCT 180 TAATTTTGGC ATNATTTCTN TTANTATCAA CTCTGANGCT AACTGGAGAT 240 TAATTTTGGC ATNATTTCTN TTANTATCAA CTCTGANGCT AACTGTACCT AATCTGAGAT 300 TGTGTNTGNT CCNANTAANC GTGANGTGAA CCTGN 335	15		SEQUENCE LENGTH: 106 SEQUENCE TYPE: nucleic	acid				
SEQUENCE LENGTH: 106 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07987 SEQUENCE DESCRIPTION: GATCTCATGG CTTTGATTGN TTTGGGCTGT TCAAAATGTT TATTTGNAAA ACGTATACAT 60 TAAATAAACTT AACAAAGCGN TATAAAATAC AGCGNAATCA CCCAAA 106 35 SEQ ID NO: 6762 SEQUENCE LENGTH: 335 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS07988 40 SEQUENCE DESCRIPTION: GATCGAAAGG GCCACCATGA ACTTGATACG TCCGTGTGTC CCAGATGCTN NCATTAGTCT 60 ATATGGTTCT CCAAGAAACT GAATGAATCC ATTGGAGAAG CGGTGGATAA CTAGCCAGAC 120 AAAATTTGAG ANTACATAAA CAACGCATTG CCACGGAAAC ATACAGAGGN TGCCTTTTCT 180 GTGATTGGGT GGGATTTTT CCCTNTTTAT GTGGGATATA GTAGTTACTT GTGCCAAGAN 240 TAATTTTGGC ATNATTTCTN TTANTATCAA CTCTGANGCT AACTTGTACT AATCTGAGAT 300 TGTGTNTGNT CCNANTAANC GTGANGTGAA CCTGN 335	20		SEQUENCE DESCRIPTION: GATCTGTGTG TTGTGGGAAG				AGTGCCATTA	
SEQUENCE DESCRIPTION: GATCTCATGG CTTTGATTGN TTTGGGCTGT TCAAAATGTT TATTTGNAAA ACGTATACAT 60 TAATAAACTT AACAAAGCGN TATAAAATAC AGCGNAATCA CCCAAA 106 SEQ ID NO:6762 SEQUENCE LENGTH:335 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07988 40 SEQUENCE DESCRIPTION: GATCGAAAGG GCCACCATGA ACTTGATACG TCCGTGTGT CCAGATGCTN NCATTAGTCT 60 ATATGGTTCT CCAAGAAACT GAATGAATCC ATTGGAGAAG CGGTGGATAA CTAGCCAGAC 120 AAAATTTGAG ANTACATAAA CAACGCATTG CCACGGAAAC ATACAGAGGN TGCCTTTCT 180 GTGATTGGGT GGGATFTTT CCCTNTTTAT GTGGGATATA GTAGTTACTT GTGCCAAGAN 240 TAATTTTGGC ATNATTTCTN TTANTATCAA CTCTGANGCT AACTTGTACT AATCTGAGAT 300 TGTGTNTGNT CCNANTAANC GTGANGTGAA CCTGN 335 SEQ ID NO:6763	25		SEQUENCE LENGTH: 106 SEQUENCE TYPE: nucleic	acid				
SEQUENCE LENGTH: 335 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGSO7988 40 SEQUENCE DESCRIPTION: GATCGAAAGG GCCACCATGA ACTTGATACG TCCGTGTGTC CCAGATGCTN NCATTAGTCT 60 ATATGGTTCT CCAAGAAACT GAATGAATCC ATTGGAGAAG CGGTGGATAA CTAGCCAGAC 120 AAAATTTGAG ANTACATAAA CAACGCATTG CCACGGAAAC ATACAGAGGN TGCCTTTTCT 180 GTGATTGGGT GGGATTTTT CCCTNTTTAT GTGGGATATA GTAGTTACTT GTGCCAAGAN 240 TAATTTTGGC ATNATTTCTN TTANTATCAA CTCTGANGCT AACTTGTACT AATCTGAGAT 300 TGTGTNTGNT CCNANTAANC GTGANGTGAA CCTGN 335 SEQ ID NO: 6763	30		SEQUENCE DESCRIPTION: GATCTCATGG CTTTGATTGN				ACGTATACAT	
SEQUENCE DESCRIPTION: GATCGAAAGG GCCACCATGA ACTTGATACG TCCGTGTGTC CCAGATGCTN NCATTAGTCT 60 ATATGGTTCT CCAAGAAACT GAATGAATCC ATTGGAGAAG CGGTGGATAA CTAGCCAGAC 120 AAAATTTGAG ANTACATAAA CAACGCATTG CCACGGAAAC ATACAGAGGN TGCCTTTTCT 180 GTGATTGGGT GGGATTTTTT CCCTNTTTAT GTGGGATATA GTAGTTACTT GTGCCAAGAN 240 TAATTTTGGC ATNATTTCTN TTANTATCAA CTCTGANGCT AACTTGTACT AATCTGAGAT 300 TGTGTNTGNT CCNANTAANC GTGANGTGAA CCTGN 335 SEQ ID NO:6763	35		SEQUENCE LENGTH:335 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
AAAATTTGAG ANTACATAAA CAACGCATTG CCACGGAAAC ATACAGAGGN TGCCTTTTCT 180 GTGATTGGGT GGGATFTTT CCCTNTTTAT GTGGGATATA GTAGTTACTT GTGCCAAGAN 240 TAATTTTGGC ATNATTTCTN TTANTATCAA CTCTGANGCT AACTTGTACT AATCTGAGAT 300 TGTGTNTGNT CCNANTAANC GTGANGTGAA CCTGN 335 SEQ ID NO:6763	40	4	SEQUENCE DESCRIPTION: GATCGAAAGG GCCACCATGA					
·	45		AAAATTTGAG ANTACATAAA GTGATTGGGT GGGATTTTT TAATTTTGGC ATNATTTCTN	CAACGCATTG CCCTNTTTAT TTANTATCAA	CCACGGAAAC GTGGGATATA CTCTGANGCT	ATACAGAGGN GTAGTTACTT	TGCCTTTTCT GTGCCAAGAN	180 240 300
	50		•					

	5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07989	acid				
		SEQUENCE DESCRIPTION: GATCTTGGAG ACAGGCCATC AGCCAATGAC CGAATCTCTT CCTATGTGCT GTAGCTCTCC	TTCTCTGTAA	AAATGTAGAC	TGAAAAGCCA		
	10	SEQ ID NO:6764 SEQUENCE LENGTH:212					
		SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07990 SEQUENCE DESCRIPTION:	acid				
	20	GATCTGGGCT GCAGGAGCTG ACAGAACACC TGGGGCTGCG AGAAGTGGCC ATGCGGAANT	GGAACAGCCT	GCGTACGGCT	CTCATCAAAC	TCACTGGGGA	120
		AGGATTGAGA NTACCNTATT SEQ ID NO:6765					212
	25	SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07991	acid				
•	30	SEQUENCE DESCRIPTION: GATCATACCA CTGCACTCCA NAAAAATAAA TGGGGGCAGA CCACCTGGCC TGCTGGGGAA	AGCTGAGCCA				
	35	SEQ ID NO:6766 SEQUENCE LENGTH:360 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS07992	acid				
	40	SEQUENCE DESCRIPTION: GATCTGTTAT NAAACGAAAC GAGCCGGGCC CCCTGTGCCT	CTAGTATACT	TGTATTGACT	CTCATAGTTA	CCCTTTTAGT	120
	45	TTTACTGTGT TCTGTGAAAA TTCAACTAAA TCTCCACAGG ACCATTAGTG CTACCACCTT TCCTATGCAA CAAAAAAAGG	TTTTTTGAGC CTCACATTAC	TGGTGTGGAT AATACANTTN	TAGTTTAACT CTGGAAGCAA	CTTGTATTCA GTACTGCATT	240 300
	50	SEQ ID NO:6767 SEQUENCE LENGTH:88					
		SEQUENCE TYPE pucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS07994 SEQUENCE DESCRIPTION: GATCAAAAGG GCTATGGGAA GGGCAGACCC CGCCAATGAT TTCTCTTCAC CTGTCTTAAG ATTAAATAAA AAAGAGTGTC CTGGCAAA	60 88
10	SEQ ID NO:6768 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07995	
15	SEQUENCE DESCRIPTION: GATCITGCCA AGAACCATCA CGTGTTAATT TAGTTGCTTA AACAAAAGGT GTTCTGTTTC TTAAA	60 65
20	SEQ ID NO:6769 SEQUENCE LENGTH:246 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07997	
25	GTACTGGATG GACTGAAGTC CAGGACAACG TTCCAAAGAA AGGCAGAGTC CAGGTAGGCT 1 TGGAGGACCA AGCCCTGGAT GAGCACTGGA GGGCAGAGGC CTCAGTGTCC AGCACTGTGC 1 CCTGCACATG GAAAGCCCCT ACGTTTGTGG AATNAATGAN TANTAAAAAT ATTTTNATNA 2	80
30	viunna	40
35	SEQ ID NO:6770 SEQUENCE LENGTH:23 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07998 SEQUENCE DESCRIPTION: GATCCTGTCC CTGCCCTGCC AAA	23
40	SEQ ID NO:6771 SEQUENCE LENGTH:46	
45	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS07999 SEQUENCE DESCRIPTION: GATCTGTATA TCCTCCAGTC CAAGATTAAA GAGGCGGACT GTGAAA	46
50	SEQ ID NO:6772 SEQUENCE LENGTH:108	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08000 SEQUENCE DESCRIPTION:	acid				
	GATCCAAACT CATTCTTNCT GAGGTTGGNT CTNCATTCTG				ACCTCACTNG	60 108
10	SEQ ID NO:6773 SEQUENCE LENGTH:218 SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear CLONE:HUMGSO8001 SEQUENCE DESCRIPTION: GATCAACGAC GACCTTTTTC	CTTTTNATAC	TAAAGTAAGA	AATAAGAATG	TNAGCCCAAA	60
	CTGCACTATT TTGCAGACCC					
	GGGCCTGAGC TGTGAGAAAC					
20	CTAANTINCT TCATNATCAN			danariini	COTAGCTACA	218
25	SEQ ID NO:6774 SEQUENCE LENGTH:38 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS08002 SEQUENCE DESCRIPTION: GATCAACAGT GCAGAGAATC	TAGCAAGTAT	AAAAGAAA			38
30	SEQ ID NO:6775 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS08003 SEQUENCE DESCRIPTION:					
40	GATCTGCAAC ATGAANCCCG GAAAACAGGA AACGGNCTTT TTGTCACANT TAATCACAAG ATAGGTGTAC CATTTAAAGN	CTCTGAATTG TGTACAGGAT	GTAAATGGGA TAGACTGGGT	AAGAAGTGAG TTATATTTAA	CAACTTAAGA CTCTTGCTTC	120 180 240
. 45	TATTNNNNAA TN SEQ ID NO:6776 SEQUENCE LENGTH:34					252
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08004	acid				
50	SEQUENCE DESCRIPTION: GATCAAAGGG AATAAAGAGA	ACTCTTGGCT	GAAA			34

5	SEQ ID NO:6777 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08005	acid	•			
10	SEQUENCE DESCRIPTION: GATCATATNC TNTTTCTNTT GAGAACACAA ACATNNGTAA				ATTCTCTTGT	60 107
15	SEQ ID NO:6778 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8006 SEQUENCE DESCRIPTION: GATCAAGGTT TGTNTGCCCA		TCTGCCTGAA	AGACGTGTCT	CAAGAAAAAT	60
20	AAATTCTATT TNAGATGCAG					112
25	SEQ ID NO:6779 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGSO8007 SEQUENCE DESCRIPTION: GATCAGAGNA AACGNCTTTA CTATTCTCTG TTCTTTCATG ATCAACAACC GCTATGTAAA					60 120 140
35	SEQ ID NO:6780 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08008 SEQUENCE DESCRIPTION:					
40	GATCAATCTC ATATTCATTC TAGCATCTAC CATATTTNAT TTATGTATCA TTAAGAAAAA	CAAATCTGTG	ATTCCTTTGA	TTATNATATG	AACCATTATT	
4 5	SEQ ID NO:6781 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08009	acid				
50	SEQUENCE DESCRIPTION:					

•	GATCCAAGTT GAGATTTTAA					
	TTAATTATTG TTATACACAG					
_	TTGAATTTTC ATTTTTTAAA	AAGATGTACA	AAACAGINII	GNAATAAATT	TNAATTCGNA	
5	TATAAA .					186
	SEQ ID NO:6782					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS08010					
	SEQUENCE DESCRIPTION:					
	GATCCATTTC TNATATGTCT	${\tt TGAACTACTG}$	TGTCTAGTGG	GCAAATGTCA	TTGTTACCTC	60
15	TGTGTGTTAA GAAAATAAAA	ATATTTNCTA	AAGGTCTGTA	AA		102
	SEQ ID NO:6783					
	SEQUENCE LENGTH: 198					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS08011					
	SEQUENCE DESCRIPTION:					
	GATCAAGTAG ATTTTTTAAA					60
25	TTCCAAGTGT ACAAGAGTAA					
	ATGAAGTGAT TAATTGGCTC	CATATTTAGA	CTAATAAAAC	ATTAAGAATC	TTCCATAATT	
	GTTTCCACAA ACACTAAA					198
	SEQ ID NO:6784					
30	SEQUENCE LENGTH: 278					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08012					
35	SEQUENCE DESCRIPTION:	08.0.8880.8	m.a.a.a.a.a		a.aaaaaaa.	-
	GATCAGAGTA AAACNTGGAG					
	TTGGAGAGCA TCCTTGAAAG TAGAAGCCCA GCTAAGAGTA					
	AGACAATCCT GATTCAAGCA					
40	NAAGTNGTAC ACATCNTGTC			naccrocond	TOTINGTUNIG	278
	Maiding nontoniuto	monditio				
	SEQ ID NO:6785					•
	SEQUENCE LENGTH: 339					
45	SEQUENCE TYPE:nucleic	acid				
45 .	TOPOLOGY: linear					
	CLONE: HUNGS08013					
	SEQUENCE DESCRIPTION:				٠.	
	GATCCCATGT NAGCTACACA	GTGCAGAGGC	TCTTGATGGT	GGACTAAGCA	ATTTCCTCCC	60
50	TCGTGCGCAT CTCAGAACCC	ATCGGTAGGC	AAAGGAAAAT	ACGCTCAGGT	GGTTGTGGNN	120

	NAGNCTGTNT CAGGCCTACG	GAGTCAGCCA	GTGGCTAGCG	CAAGACCAGT	CACTCCCTCT	180
	GCNTTCAGGC TTCTTTCAAT	TTCATTATCA	TCAAGCAGGA	ATTATGTCGT	AAGTCACTGA	240
	CCCTAACTGC AGACCATGAA	GTAAATTATG	TAACTAGGTT	TTTNNCTTCT	CCAGTGGTGA	300
5	CCACCNNCNC NCATNCCCCG					339
						000
	SEQ ID NO:6786	•				
	SEQUENCE LENGTH: 80					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear	4014				
	CLONE: HUMGS08014					
	SEQUENCE DESCRIPTION:					
	GATCGCCTAT TACTGACAGT	CTCATTCTAC	CTCTAAAAAC	CCTAATCTAT	CCACTCTCCA	60
15	ATAAACTCCA TAGACTCAAA	CICATIOIAG	CICIAAAAA	CCIANIUIAI	CCACIGIGGA	60
	ATAMOTOCA TAUNCTOANA					80
	SEQ ID NO:6787					
	SEQUENCE LENGTH: 279	• •				
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08015					
	SEQUENCE DESCRIPTION:					
	GATCTTGAAG AGACCGCTGG					
25	GAGGAAACAG TTAATGACCC					
	AAATTNTCCA AAGAGGAGCC					
	TCCAAGAAGG NAGGAAAAAG	TTCCNTTAAG	CATTNCCNGG	GAGNTTTGAA	TTCAAAATTG	240
	GGCATTNTTN TTTGGGGGTT	GGGNNATTCC	CTTGGCCCN			279
30						
	SEQ ID NO:6788					
	SEQUENCE LENGTH: 192					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS08016					
	SEQUENCE DESCRIPTION:					
	GATCCACTCA CCTCGGCCTC	CCAAAGTGCT	GGGATTACAG	TGCCCGTCCG	TGATGATGGG	60
	AACATGNCCG ACGTGCCCAG	NCACCCCCAG	GACCCTCAGG	GCCCCAGNCT	GGAGTGGCTG	120
	AAGAAACTGT GAGCACCTCC	ACTGACAGAG	GCGGCCCCTC	CCACGGCTCC	CAATAAAAAT	180
40	GTGAAAACCA AA					192
	SEQ ID NO:6789					
	SEQUENCE LENGTH: 303					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08017		•			
	SEQUENCE DESCRIPTION:					
	GATCCGTATC GNTTTAAGAA	GCGGACGGAG	CTGTTCATTG	CCGNCGAGGG	CATTCACACG	60
50	GGCCAGTTTG TGTATTGCGG					

;	5	GGCACCATGC CTGAGGGTAC AAGCTGGCCC GGGCATCANG AAGNCCCGTT TTGAANGTTG TCN	GGACTATGCC	ACCGTTATCT	CCCACAACCC	TTNGACCAAG	240
1	o	SEQ ID NO:6790 SEQUENCE LENGTH:267 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8018	acid				
1	5	SEQUENCE DESCRIPTION: GATCTAAAAA TCAATGAGAA CTTATAAACA TAAATGTAAT AAGCTCTTCA NCTGTCAAGN ACGCTCATAC ATTGTTGGAA TCCCNNTNTT TCTTCCCTAC	ACTCAGCTGC GTAAGAAGCA ATNAANGTTG	TGTCATCATC ATGTTACTAA	AGAAGAATGA TACCGGCAAG	AGTTGTTTTT NTATGAAAAG	180
2	o	SEQ ID NO:6791 SEQUENCE LENGTH:189 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
2	5	CLONE:HUMGSO8019 SEQUENCE DESCRIPTION: GATCATCTGG CAAGACAGCC AAAGNCACTG GGTCTTCATT	GTNTCGTCCA	GCTGTTCATG	AGGCCTTATC	TGAAGCCCAC	
3	0	GTGACCTCCG GNCTACTCAC AAATAANTN	HACAIGCGN	UAATAAAAGC	TCTATTTTGT	TTTAGGNCCN	180 189
3	5	SEQ ID NO:6792 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08020 SEQUENCE DESCRIPTION:	acid				
4		GATCTGCTGG CAGAGGNCAA CACTTAAGGA ATAAATATGG AACAGTAAA					
4		SEQ ID NO:6793 SEQUENCE LENGTH:267 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08021	acid				
5		SEQUENCE DESCRIPTION: GATCAGGACC CACCTCCAGT	TCTNCTGAAA	GTNTGACAGT	GTCCAGCCGG	TTCTGCAGCA	60

		CTAGGGGAGG GGGCAGATGG	TGGTTGCATG	GGCTTCCTGG	GTCTCCACTC	TCCGTCTGGC	120
		CTAAAGGTGA TGTATTTGGT	GTTTGGNCCT	GCAGTCCCCA	CTNTTAAGGC	TTAAGGCGGA	180
		TGTGGAACAN CACTTTCTTT	CAGGAGTAGG	TNGNTNTACT	TGTACCTCAT	TTAGGGCTTA	240
:	5	GAAAGTTTTN CCNCANACTN	NAAAAAN				267
		STO ID VO STO					
		SEQ ID NO:6794					
		SEQUENCE LENGTH: 122					
1	10	SEQUENCE TYPE:nucleic	acid				
		TOPOLOGY: linear					
		CLONE: HUMGS08022					
		SEQUENCE DESCRIPTION:					
		GATCTACAAA ACAGATAGNG					
1	15	TGCGATGTAA TTAAAGAAAT	TATTGGATAA	CCTCTACAAA	TAAAGATAGG	GGNACTCTGA	120
		AA					122
		SEQ ID NO:6795					
		SEQUENCE LENGTH: 56					
2	20	SEQUENCE TYPE: nucleic	acid				
		TOPOLOGY: linear					
		CLONE: HUMGS08023					
		SEQUENCE DESCRIPTION:					
2	25	GATCCCACTT GTAGATGCTT	GCACTCACAC	AATAAAAACG	TCTGNTATTT	GCCAAA	56
		CEO ID NO. CZOC					
		SEQ ID NO:6796					
		SEQUENCE LENGTH: 130					
	30	SEQUENCE TYPE:nucleic	acid				
•	50	TOPOLOGY: linear					
		CLONE: HUMGS08024					
		SEQUENCE DESCRIPTION:	OTCCC LOCK	CACATTOCAA	100010100	1011000000	
		GATCCGTGGT TCCCTGCAGA					60
:	35	AGGTAGAATG TGTTCATTAC GCTAACCAAA	CITCIGCGCA	TTATACCACA	AAAAAGC1GG	GNATAAAAAT	
		UCIAACCAAA					130
		SEQ ID NO:6797					
		SEQUENCE LENGTH: 234					
•	40	SEQUENCE TYPE:nucleic	acid				
		TOPOLOGY:linear					
		CLONE: HUMGS08025					
		SEQUENCE DESCRIPTION:					
	4E	GATCTGCCCC ATGATTGGTT	CCTTAGGANC	AAGNAATTTA	CAAGTAGNAA	TTATTCCTTT	60
•	45	CAGAGTAACA TGCTGTATTA	CTTCAATCCC	TATTTTTGTC	TGTTCCATTT	TCTTTGGATT	120
		CCCTATTCAC ATTGAATCCT	NTTTGCCCTT	CTGAAACAAT	ATTCAGTCAC	AAGNGNTTTT	180
		GGTCATGTTG GTCTTTGTAA	CAAATNAAAN	TTACCTTATA	TCCTTCTGGA	CAAA	234
,	50	SEQ ID NO:6798					
٠							

5	SEQUENCE LENGTH: 246 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS08026	acid				
	SEQUENCE DESCRIPTION: GATCACAAGG TCAGGAGTTC	GAGACCAGCC	TGGCCAATAT	GGTGAACCTC	ልፕሮፕሮፕልፕፕሮ	60
	AAAATACAAA AATCAGCCAG					
40	TGAGGCAGGA GAACTGCTTG					
10	CTGCACTCCA GCCTGGTGNT					
	AANNNN					246
	SEQ ID NO:6799					0
15	SEQUENCE LENGTH: 114					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08027					
20	SEQUENCE DESCRIPTION:	CT + TTC + TT +	0010101111	T00.00.00		
	GATCAGTGTT AAACTAGATT					60
	AAGGNGAAAT GACTTTTATA	ACATITICAG	NAAATAATAA	AGCATTTATC	TAAA	114
	SEQ ID NO:6800					
25	SEQUENCE LENGTH: 274					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08028					
	SEQUENCE DESCRIPTION:					
30	GATCTTTTGT GCCAAGATGC	AGGGAAATNA	AGAAAGCTCT	TTCCAGCTGT	TTTNATGGAT	60
	TCATGGAGTG GGCTCATGTT					
	CTGTCAGAGA GCCTGAAAGG					
	TTGCTTCTCT AGGCTNCTGG	CTGTTGCTGC	ATTCTAAGGN	TTAACCTCCT	GGTCTNATGG	240
35	TAGTGANCTT GAGCTTTTNN	ATTCNATAGN	AGNN			274
	SEQ ID NO:6801					
	SEQUENCE LENGTH: 42					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08029					
	SEQUENCE DESCRIPTION:					
	GATCTGTGNA GNAATGAAAT	AAAAIGGAGA	AGAAGACAGA	AA		42
45	SEQ ID NO:6802					
	SEQUENCE LENGTH: 228					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE · HIMGSO8030					

	SEQUENCE DESCRIPTION:					
	GATCCAGTTT CAAGAATGGG	CAGGTAAACG	CAGNANGAGG	AAAGGAATGT	GGAATGAGAA	60
	CTTGGTGGTT CACCGCTGTA	CTATTTGTGT	AAATGTTTAC	GTATGTNATA	AGCTACATGT	120
5	ATGTAAATNT TGCAATACCC	CTAACAGTCG	AGTAGTAGTC	TCCCTTACAG	GAATTTTTGA	180
J	CGGGGTTCCT CATCATCAAT					228
	SEQ ID NO:6803					
	SEQUENCE LENGTH: 180					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08031					
	SEQUENCE DESCRIPTION:					
15	GATCATATTC TTGAAATTTT	TATAAATATG	TATGGAAATT	CTTAGGCTTT	TTTTACCAGC	60
75	TTTGTTTACA GACCCAAATG	TAAATATTAA	AAATAAATAT	TTGCAATTTT	CTACAGAATT	120
	GAATACCTGT TAAAGGAAAA	TTACAGAATA	ANCTTGTGAC	TGGTCTTGTT	TTACATTAAA	180
	SEQ ID NO:6804					
20	SEQUENCE LENGTH: 277					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08032					
	SEQUENCE DESCRIPTION:					
25	GATCATTCCG AGGTCATTTG	AGGACGCACA	CTGGAGAGAA	GCCTTATNAG	TGTAAACAAT	60
	NTGGAAAAAC CTTCACTTGG	TNCTCAACGT	TTAGAGAACA	TGTNAGAATT	CACACGCAAG	120
	AGCAGCTCCA TAAATGTGAA	CACTGTGGGA	AGGCCTTTAC	CTCTTCCAGA	GCATTCCAAG	180
	GTCATTTGAG GATGCACACT	GGAGAGAAGC	CTTATGAGTG	TACACAATGT	GGANAAACCT	240
30	TCACTNGGGG CCTCAANCCT	TACNTAATAA	TGTGGTN			277
	SEQ ID NO:6805					
	SEQUENCE LENGTH: 273					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS08033					
	SEQUENCE DESCRIPTION:					
	GATCTACCTC AGTATTCAAG	TTCAGTGGGG	ACACCAGTGG	CTTCAAACTT	CCTGGTTTCA	60
40	TGATATCTTG AGACGCCTTA	CAAATGATGG	AGGATTCCAA	AGAGTTTTTG	TTTATTTGGG	120
	TTAATATTTG TTGGTATTTA	TGGCATTTGA	GATTGAAACT	AAGNAATGTT	TTAATTTATT	180
	ACCTTTACAA CATTTATTTA	CATTACATAC	ATACATTTAC	AACATTTATT	AATTTATNTT	240
	AAAATAGCAT GNATAAGCCA	ATTATNGGTT	AGN			273
45	·- ·					
	SEQ ID NO:6806					
	SEQUENCE LENGTH: 207	• •				
	SEQUENCE TYPE:nucleic	acıd				
	TOPOLOGY: linear					
50	CLONE: HUNGSO8034					

5	SEQUENCE DESCRIPTION: GATCCACTCT TCTCGNCCTC CCAAAGTGTT GGGATTATAG GCGTGAGCAC ANGCGCCCGG 6 CCTGNINTGG ATATTTCTTA TAAATGGAAT CATACAGTGC TTNTTTCAGT TAGCATAATG 12 TTTCCCAGGT TCATCCAGGT CATAACACAT AATCAGGCTT CATTTNTTTT TATTACCANC 18	0
	TAATATTCTA TGAATATAAA NNNACCN 20' SEQ ID NO:6807 SEQUENCE LENGTH:273	7
10	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8036 SEQUENCE DESCRIPTION:	
15	GATCCTGAAG AGATTGAAAA AGAAGAGCAG GCTGCTACTC AGCCTGAGGT TGCAGACTGG 60	n
	TCTGAAGGTG TACAGGTGCC CTCTGTGCCT ATTCAGCAAT TCCCTACTGA AGACTGGAGC 120	-
	GCTCAGCCTG CCACGGAAGA CTGGTCTGCA GCTCCCACTG CTCAGGCCAC TGAATGGGTA 180	
	GGAGCAACCA CTGACTGGTC TTAAGCTGTT CTTGCATAGG CTCTTAAGCA GCATGGNAAA 240	
00	ATGGTTGCTG GCAAATAAAC ATCAGTTTCT AAA 273	3
20		
	SEQ ID NO:6808	
	SEQUENCE LENGTH: 73	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS08037	
	SEQUENCE DESCRIPTION:	
	GATCTCCAAC ATCTTTGTGT TGAAGGGCCT ACAGAGTAAA CTGTGGGACT CAATAAACAT 60)
30	TCGTTACTTG AAA 73	}
	CTA IN HA CARA	
	SEQ ID NO:6809	
	SEQUENCE LENGTH: 285 SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
35	CLONE: HUMGS08038	
	SEQUENCE DESCRIPTION:	
	GATCACAGCA GACAGGGTCG CTGCCCTGAT GGCGCTTACA TTCCAGTGGG TCTAATGACC 60	1
	ATATCTTAGG ACACAGATGT GCCCAGGGAG GTGGTGTCAC TGCACAGGAA GTATGAGGAC 120	
40	TTTAGTGTCC TGAGTTCAAA TCCTGATTCA GGAACTCACA AAGCTATGTG ACCTTACACC 180	_
	AGTCACTTAA CTTGTTAGCC ATCCATTATC GCATCTGCAA AATGGGGATT AAGAATAGAA 240	
	TCTTGGGGTT AGTGTGGNGA TTAGATTAAA TGTATGTAAG GCACN 285	
45	SEQ ID NO:6810	
	SEQUENCE LENGTH: 62	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
50	CLONE: HUMGS08039 SFOURNCE DESCRIPTION.	

	GATCAGTTTC TGGCACATAA AA	ATGCCTCAAT	AAAGATTTAA	TTACTTTGTA	TAGTGCTTTA	60 62
5	SEQ ID NO:6811 SEQUENCE LENGTH:237 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS08040 SEQUENCE DESCRIPTION: GATCATTGGC TATGACAGAG	AACCCGTCTC	TCAAGCAGCA	GCTCTTCTCC	TATGCC ATTC	60
15	TTGGCTTTGC CTGTCTGAGG NTTCGCCATG TGAGGNTCCA	CCATGGGGCT TGGGGGGTCA	TTTNTGTTTG CCGGANCTGT	ATGGTCGCCT TGATACTGCA	TCCTAATCCT ACTACACACC	120 180
	ATTNTTGGTG CTGGGGTGTG SEQ ID NO:6812 SEQUENCE LENGTH:215	IIAAGAIIIA	ACCATINANC	ACAACUIIIC	ICINAAA	237
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO8041 SEQUENCE DESCRIPTION:	acid				
25	GATCAGCAAA TTTAAGAGAA ATTTGACCAT TTTAGTTTTA ATGANACATT TCAGANGGTA AATCCTCNTG ANTGACAATN	ATTCCATGTC TCAGTTATAT	AGATAAGTGT GATATTCTTT	AAATAGAAGA	GTTTAAAAGC	
30	SEQ ID NO:6813 SEQUENCE LENGTH:181 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear CLONE: HUMGSO8042 SEQUENCE DESCRIPTION:	acra				
	GATCTAAAAG CCATATCCTG TTCAAAGGTA AGATTGACCA GTCAAGNTAT TTTAAAGCAT	AAGCAAGTTC	TCATTGGTGG	TCTGTGTTTA	CATCTTCCGT	180
40	A					181
45	SEQ ID NO:6814 SEQUENCE LENGTH:162 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE:HUMGS08043 SEQUENCE DESCRIPTION: GATCTCAGGC TTCTGCAGTT ACATTTATAT AGACTGTTGA TGCTTATTTT TAATTTGGGA	AAGGAGAATT	TGAAAAATGC	ATAATAACTA		60 120 162

	SEQ ID NO:6815					
,	SEQUENCE LENGTH: 431					
5	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
·	CLONE: HUMGS08044					
	SEQUENCE DESCRIPTION:					
	GATCTCAGCG GGGAGCCACG	TCTCTTGCAC	TGTGGTCTCT	GCATGGACCC	CAGGGCTGTG	60
10	GGGACTTGGG GGACAGTAAT	CAAGTAATCC	CCTTTTCCAG	AATGCATTAA	CCCACTCCCC	120
	TGACCTCACG CTGGGGCAGG	TCCCCAAGTG	TGCAAGCTCA	GTATTCATGA	TGGTGGGGGA	180
	TGGAGTGTCT TCCGAGGTTC	TTGGGGGAAA	AAAAAATTTN	TAGCATATTT	AAGGGAGGCA	240
	ATGAACCCTN TCCCCCANCT	NTTNCCNGCC	CAAATNTGTC	TCCTAGNATC	TTATGTGCTG	300
15	GGAATAATAG GCCTTNACTG	CCNTCNNGNT	TTATAGGCCN	ANGGGTCCCG	GTTTCCCGGG	360
	AACTGGAACC CTTCCTGAGG	GGGAATCCCG	GGGCTCAAAT	TACCCCCNAA	AGGAAAGTGG	420
	CCAAGGCGGT N					431
	SEQ ID NO:6816					
20	SEQUENCE LENGTH: 231					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08045					
0.5	SEQUENCE DESCRIPTION:					
25	GATCTGTTTC TAAAGCGTTA	CGCATCTTTN	CTGAAGTATG	CTGGAGAGCC	TGTCCCTTTC	60
	ATTGAACCCC CTGAAAGCTT	TGAATTTNAT	GCACAGCAGC	TAAGAAAATT	GAGGGAAAAC	120
	TCTTCTTGAA ATAACCAGGC	GATACTTTGT	TTTGTATATA	TTTGTGATTC	TGTGTCTACA	180
	TGTTATTTTG AAGTATATCT	GAGGGAANNG	GGAATGGAAA	TTTTCTTTAA	A	231
30						
	SEQ ID NO:6817					
	SEQUENCE LENGTH: 147					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS08046					
	SEQUENCE DESCRIPTION:					
	GATCCTTCCA GCTGCTCTTC	CATAACTTCA	TCTCTCCCCT	CAACACCTGC	AACCACTAAG	60
	CCATTTTCCC CCTACCCGTC	TGTAATTTTG	TAATTTTGAG	AATGCCAGGT	AAATGGAATC	120
40	AGAGCGGATA ATCTTTGGAG					147
70						
	SEQ ID NO:6818					
	SEQUENCE LENGTH: 101					
	SEQUENCE TYPE:nucleic	acid				
45 .	TOPOLOGY: linear					
	CLONE: HUNGS08047					
	SEQUENCE DESCRIPTION:					
	GATCATTTAT ATTTAAGTTT	AAAAGGAGGN	TGAGACTGAG	TTTTTGTAGA	GTTATAATNA	60
50	CATTCAAAAT ATACTTTTTT					101
50						

5	SEQ ID NO:6819 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08048 SEQUENCE DESCRIPTION:	acid				
10	GATCAAGCCA AACAGTAAAA CAACAGTATT CTGCATGGTT AAATTCTGTA TGTGTAAGNG TATACTTGGG CNTAANTTCA	CACTGCTTAA NTGTTTAAAT	GAAAATGCCT ATGTTTGGGT	TCTGGAATAT CCTAAACAGC	TTGTAAACTG TTTTTAAAAT	120
15	SEQ ID NO:6820 SEQUENCE LENGTH:195 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08049	acid				
20	SEQUENCE DESCRIPTION: GATCATITTG TTTGTTGCTC CTCCCCTTAC CCAGGCTTAG AGCTAGTGTC ATTTAACCTT TTTTTAAATG TNAAA	GNTTAATTAC	CTGAAAGATT	CCAGGAAACT	GTAGCTTCCT	
25	SEQ ID NO:6821					
30	SEQUENCE LENGTH: 160 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGSO8050 SEQUENCE DESCRIPTION:					
•	GATCATAAAT ATTTTGTAAT TAATTACATT GATGGCAATG					60 120
35	TAGNAATTTT NATTGCTTTA	AAGTTTTGGA	TATGGGTGGN			160
40	SEQ ID NO:6822 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS08051 SEQUENCE DESCRIPTION:					
	GATCTATAGG AAGATTGAAC GGTACTCCAC ATACTTCAGT					60
45	AAGCATTTTG TAATAATAAA			IUICAAGAAI	AUCATIUTAA	157
	SEQ ID NO:6823					
50	SEQUENCE LENGTH: 150					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08052	acid				
5	SEQUENCE DESCRIPTION: GATCCAGNTT GTTGCATCAA	TAGTTCTGTT	TTTAGTACTG	AGTGGGATGT	CAGTATAGAT	60
	GTACCATAGT AAACACCTGT ATAAAGTTGC TGTAAACATT			TCCTGTTATT	AGGTATCTAA	120 150
10	ATAMOTTOC TOTAMONT	IUIUIACAAA				130
70	SEQ ID NO:6824					
	SEQUENCE LENGTH: 268					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS08053					
	SEQUENCE DESCRIPTION:					
	GATCTGTCCA CTTTGCTCTC	ACGGACGTGG	CATTTGCCAG	GAAGGAGAAC	CCAGCAGGAA	60
	CGGAGGTCTC TGCCTTCACC					120
20	TTAGTGAAAA ATTCATTTTA					
	GTCAAAATAT GNAGCCTGTT		TTAAAAAAAGN	NNTAGNATAT	CCCAAATGGN	240
	ACATTTCAGG NATTAANTAA	TTGNAATN				268
	SEQ ID NO:6825					
25	SEQUENCE LENGTH: 197					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS 08054 SEQUENCE DESCRIPTION:					
30	GATCTGAGAA GTGAGTGTAA	GGAGTTTAAA	TCAACCTCTG	TTCTGTGCTA	GTTAAGGTAA	60
	TAAAGTTGCT GCAGTCCAGG					
	CATTTCTTGG GAATCAAGTG					
	TGTGACAAAT CTCCAAA					197
35	750 ID VO 4004					
	SEQ ID NO:6826 SEQUENCE LENGTH:196					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
40	CLONE: HUNGS08055					
	SEQUENCE DESCRIPTION:					
	GATCAAGTAA AAATGAAGGA	CAACGTGAAG	TTTAAAGTTC	GATGCAGCAG	ATACCTTTAC	60
	ACCCTGGTCA TCACTGACAA					
45	TTGGCAGTGA AGGAACTGAA TNCTAAAAAT CCTAAA	ATNAACCAGA	CACACTGATT	GGAACTGTAT	TATATTAAAN	180 196
	CEO ID NO. COOR					
	SEQ ID NO:6827 SEQUENCE LENGTH:213					
50	SEQUENCE TYPE: nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGS08056 SEQUENCE DESCRIPTION:					
5	GATCATCAGT ACTGTTGTCT	CATGTAATGC	TAAAACTGAA	ATGGTCCGTG	TTTGCATTGT	60
	TAAAAATNAT GTGTGAAATA	GAATGAGTGC	TATGGTGTTG	AAAACTGCAG	TGTCCGTTAT	120
	GAGTGCCAAA AATCTGTCTT	GAAGGCAGCT	ACACTTTGAA	GTGGTCTTTG	AATACTTTTA	180
	ATAAATTTAT TTTGATAAAT	AATATTGAAC	AAA			213
10 '	SEQ ID NO:6828					
	SEQUENCE LENGTH: 133					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS08057					
	SEQUENCE DESCRIPTION:					
	GATCGTCCTG CAGGTATTTT	GCAAGCCCCT	ACTGTCCGCC	GACATCAGCG	TGAATCTCAC	60
	ATGGTGCACT TGGCTCCCTG	GGGGAGTNTT	NGCNTCTCCT	GTTGTCTTTT	CCCAAAACCA	120
20	NTAAAAACCA TGN					133
	OPO IN NO COOL					
	SEQ ID NO:6829					
	SEQUENCE LENGTH: 269	. ,				
	SEQUENCE TYPE:nucleic	acıd				
25	TOPOLOGY:linear CLONE:HUMGS08058					
	SEQUENCE DESCRIPTION:					
	GATCTGCTAC ATTTTAAAAG	TCCCCATCAA	* * * * * * * * * * * * * * * * * * *	ተ ለምርምለምርጥለ	CTCTCATTAA	en.
	TTCTGTTATT TTTNCCCACT					
30	GAATCAAGTT TCAGTAAAGG					
	GCTGTTTTTG GNGANGACAA					
	CTGTGACAGT GNCTAATCCC			UMITABILIT GC	ATTAITMENT	269
	CDO IN NO COOO					
35	SEQ ID NO:6830 SEQUENCE LENGTH:297					
	SEQUENCE TYPE:nucleic	:3				
	TOPOLOGY: linear	acio				
	CLONE: HUMGS08059					
40	SEQUENCE DESCRIPTION:					
-	GATCTATCCA ATAAAGGAGA	GAAACAACCG	CACACGCCTG	CCTCTCATCA	TATGCAATAC	60
	AGAGTTTGAC CATCTGCCTC					
	GCTACTTGAG GGTCTGGNCT					
	GGNGTCAGCG CTGAGGNCAT					
45	CTTTGGTACT CATGTNTCNT					297
	SEQ ID NO:6831					
	SEQUENCE LENGTH: 174					
50	SEQUENCE TYPE:nucleic	acid				

5	TCCATTCCC TGTCCCTCTG CCTGGGCTAT GGGAAGTGGG GATGCAGATG GCCAAGCTCC 1:	60 20 74
10	SEQ ID NO:6832 SEQUENCE LENGTH:253 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	TGGGCGTGGT GGGCGCCCAA ACCGTGGCAG CAGGACCGAC AAGTCAAGTG CTTCTGCTCC 12	
20	TNATGTGGAT GACCCAGAGG CATTCCCAGC TCTGGCTTAA CTGGATGCCA TAAGACAACC 18 CTGGTTCCTT TGTGAACCCT TCTGTTCAAA GCTTTTGCAT GCTTAAGGAT TCCAAACGNC 24 TACTGTAATT AAA 25	
25	SEQ ID NO:6833 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO8062	
30	TIOTITY TO A A A DANGE THE STATE OF THE STAT	60 36
35	SEQ ID NO:6834 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08063	
40	SEQUENCE DESCRIPTION: GATCCAAGTT TCACTTTTTG TGATATAATG AGCCAGTTTT CTCAGTAATG TCTACTAAAA 6 AAAAAGCCAT TAACCNGGNT CTAATATTTG CATGATTCTA ATAAANGTAT GTCAACTTCT 12 TAAA 12	0:
45	SEQ ID NO:6835 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08064	
50	SEQUENCE DESCRIPTION: GATCCCCTCA GAAGGCAGGA GTGCTGCCCT CTCCCATGGT GCCCGTGCCT CTGTGCTGTG	0

	TATGTGAACC ACCCACGNGA	GGGNATAAAC	CTGGCACNNG	GACCAAA		107
5	SEQ ID NO:6836 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08065	acid				
10	SEQUENCE DESCRIPTION: GATCCTCCTG TCTTGGTTTC CCCAATAAAA AAATCTCGTT TTAAA					60 120 125
15	SEQ ID NO:6837 SEQUENCE LENGTH:178 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS08066 SEQUENCE DESCRIPTION: GATCACTAAG ATTAGCTATA AGATGCCAAA GAGTGGGATT TACCCTGTGG AACTGTATTA	TTNATGTTTA	ATGATTAAAC	ACCATTATTT	ATTGACAATT	60 120 178
25	SEQ ID NO:6838 SEQUENCE LENGTH:222		TURRITRARI	UUUIGATUTA	nnununnn	170
30	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8067 SEQUENCE DESCRIPTION:	acid				
35	GATCCCCGGC CAAGCCCAGT CCTGTAATTG TCCAGGANTG TGGGTGGGAT GCTCACTACA GGTCTGTCGC CAATAAAGNG	GCCTAGGCCG GCTCTGATGT	ACACCTTCTG ATATAGCACA	CTGCCCCGGA CAGCCCAANT	GTCCCCTCCC	
40	SEQ ID NO:6839 SEQUENCE LENGTH:198 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGSO8068 SEQUENCE DESCRIPTION: GATCCCAACA GGCCCTGGCA					
-	GCTGNCACAA CCAACACNNN ACCTGTTGGT TTCTACAATG AAATTATATT NAAAATGN					
50	SEQ ID NO:6840					

and the second second						
	SEQUENCE LENGTH: 284					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
5	CLONE: HUMGS08069					
	SEQUENCE DESCRIPTION:					
	GATCATGAAA CTTAGTAGAG	GGGATTGTGT	GTATTTNATA	CAAATTTAAT	ACAATGTCTT	60
	ACATTGATAA AATTCTTAAA	GAGCAAAACT	GCATTTAATT	TCTGCATCCA	CATTCCAATC	120
10	ATATTAGANC TAAGNTATTT	ATCTATGAAG	ATATAANTGG	TGCAGAGAGA	CTTTCATCTG	180
70	TGGATTGCGT TGTTTCTTAG	GGTTCCTAGC	ACTGNTGCCT	GCACAAGCAT	GTGNATATGT	240
	GANATHNNAT GGATTCTTCT	ATAGCTAAAT	GNGTTCCCTC	TNGN		284
	SEQ ID NO:6841					
15	SEQUENCE LENGTH: 114					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08070				•	
20	SEQUENCE DESCRIPTION:					
20	GATCCACCTG CTTCGGCCTC	CCAAAGTGCT	GGGATTACAG	CTGTAAGTCA	CTGATNCCGG	60
	NTGCATGTCA AGCACATTGG	NAAGTTCTTA	CAACAATTCT	GNTGGAGGNT	TTTN	114
	SEQ ID NO:6842					
25	SEQUENCE LENGTH: 253					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08071					
00	SEQUENCE DESCRIPTION:					
30	GATCTGTCTC TCAAAGGAAG					60
	TTCTAGGTGC AAATAACTGG					
	CCAAACCTAT TTCCCTTGTA					
	TTTAGGTGCA ATATTACGAA	CTGCTTAGGT	CAGANCANTT	TNGTNTCTCC	AGTTTTTCT	
35	CCCTANGTTA CAN					253
	0F0 ID NO 0010					
	SEQ ID NO:6843					
	SEQUENCE LENGTH: 103				•	
40	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS08073					
	SEQUENCE DESCRIPTION:	700744704 7	****	CECCECON 4 C	T. CTCTCTCCC	
	GATCTTATAA CCTCATTGTT				TACTGTGCCG	60
45	CTTCCCCCTC CCCCCACACA	MARIAAAAC	AUTATUTUCC	AAA		103
	SEQ ID NO:6844					
	SEQUENCE LENGTH: 110					
	SEQUENCE TYPE:nucleic	acid '	•			
50	TOPOLOGY: linear	aciu				

	CLONE: HUMGS08074					
	SEQUENCE DESCRIPTION:					
5	GATCCGTGCC CCACCTCTCC					
	AAACAAAATA GAGAAACTTT	CCTTATAAAT	AAAAGTAGTT	TGCACAGAAA		110
	SEQ ID NO:6845					
	SEQUENCE LENGTH: 246			•		
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08075					
	SEQUENCE DESCRIPTION:					
15	GATCAGGGCT GAGGGTAAGG					
	TGTTTGTCTT TCCTGGAGAT					
	CGGAAGCTTT AAAAGCAGCA					
	GGCACCAGGC CAGNGAAAAA	ATTGGGCAGC	NTCTTTAAAG	GGNGGAAAAT	TGTTTTGAGC	
20	CCCAAA					246
20	SEQ ID NO:6846					
	SEQUENCE LENGTH: 105					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
25	CLONE: HUMGS08076					
	SEQUENCE DESCRIPTION:					
	GATCTACCTG CATATAACAG	TCTCTAAGTT	TTTTTTCAA	TCTTGCANTT	TGATAATTTT	60
	GATTTTGGCC ANATTAGNNT					105
30				******		
	SEQ ID NO:6847					
	SEQUENCE LENGTH: 26					
	SEQUENCE TYPE:nucleic	acid				
05	TOPOLOGY: linear					
35	CLONE: HUMGS08077					
	SEQUENCE DESCRIPTION:					
	GATCAAAAGA GCTGTCTGAC	TGCAAA				26
40	SEQ ID NO:6848					
	SEQUENCE LENGTH: 84					
•	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
4E	CLONE: HUMGS08078					
45	SEQUENCE DESCRIPTION:					
	GATCCCTTGA GCCCAGGAGT		CCTGGGAAAT	ATAGGGAAAC	CCTGTCTTTA	60
	CAAAAAAAA TTTTAAAAAT	TAAA				84
50	SEQ ID NO:6849					
	SEQUENCE LENGTH: 217					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08079 SEQUENCE DESCRIPTION:	acid				
10	GATCAGATTC CTGACTAACC ACACTTCTTA GGGATTAAAT GTTTTAGTGT AAAATTGTTA AACTATTTCA CATGAGTCAA	ATAGNTGTNA ACCTTGTAAG	TTTTTCAAAA ATGGATANTG	TCGTTTTTAA	TTTAAACTGT	120
15	SEQ ID NO:6850 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08080 SEQUENCE DESCRIPTION:	acid				
20	GATCTCACCC AGTGTGCAAT CAAAGTCTAT TTCAAGNATA			TCATTACTTT	TGTCTTAAAG	60 93
25	SEQ ID NO:6851 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO8081 SEQUENCE DESCRIPTION:	acid				
30	GATCAATGAA CCATCTCTTC AAGAATGACC AAA	TGGGCAGTTT	TGTTGAAAAT	AAAGGTTTCT	CTTTGATTTC	60 73
35	SEQ ID NO:6852 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8082 SEQUENCE DESCRIPTION:	acid				
40	GATCACCGGT TTCCGACTGA CNGGGAATTT GAAANACGCT				CTACGGTGCC	60 104
45	SEQ ID NO:6853 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8083 SEQUENCE DESCRIPTION:	٠				
50	GATCAACATC ATTAAAGATT TATATTACCA TATTTACTGA AAA					60 120 123

5	SEQ ID NO:6854 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08084 SEQUENCE DESCRIPTION:	acid				
10	GATCACTTGA GCCTAGGAGG GCCTNGGTGA CAGCGTGAGA			GATGGCACTC	CTGCGCTCCA	60 91
	SEQ ID NO:6855 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08085 SEQUENCE DESCRIPTION:	acid				
20	GATCTGTCAG NACCATTTGA TACTTTTTCC TGCTTATGTA GAGGAGTAAC CATCTCTGAG ATANTGTGCA NCTNTTNTAG	NTACTATATG GGTGGGATTC	CTTAAAAAAC TGGGGGANTT	CTGGAGGAAT	ACTTACCAAA	
25	SEQ ID NO:6856 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08086	acid				
30	SEQUENCE DESCRIPTION: GATCTTNCTC CATTTACAGT AGCAAA	ACATTCTTAG	GATGTATGTA	GTAAATAAAG	CTTTCTTTAA	60 66
35	SEQ ID NO:6857 SEQUENCE LENGTH:43 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8087	acid				
40	SEQUENCE DESCRIPTION: GATCACCCCG TAGGAAATAA	AGCAGGCATC	TCTGGACCTC	AAA		43
45	SEQ ID NO:6858 SEQUENCE LENGTH:338 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8088 SEQUENCE DESCRIPTION:		11G1G1G2G77		TO 1 TO 1 1 TO 1	
	GATCAAAAGA CAGNTAAATN	TITCITCIAG	AACACAGITA	CCCCCTTGCT	ICATCTATTG	60

	CTAGAACTAT CTCATTGCTA	TCTGTNATAG	ACTAGTGATA	CAAACTTTAA	GAAAACAGGN	120
	TAAAAAGATA CCCATTGCCT	GTGTCTACTG	ATAAAATTAT	CCCAAAGGTA	GGTTGGTGTG	180
	NTAGTTTCCG NGTAAGACCT	TAAGGCCACA	GCCAANCTCT	TAAGTACTGT	GTGNCCACTC	240
5	TTGTTGTTAT CACATAGTCA	TNCTTGGTTG	TACTATGTGA	TGGTTAACCT	GTAGCTNATN	300
	ANTNTACTTA TTATTCTNTT	CCTCCTTTAC	CTCANCNN			338
	SEQ ID NO:6859					
10	SEQUENCE LENGTH: 251					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08089					
	SEQUENCE DESCRIPTION:					
15	GATCGTTTGC AAGTAACTGA					60
	GGAAATAGCG TTGTTATCGG					
	GCCTACCCGA GGAGANGNGG					
	CGTTTGTATT ACTGACCACA	TATGCTTGTC	ACTGGGCANG	AAGCCTNTTT	CNGCTGCCTN	
20	CACGCANTTT N					251
	SEQ ID NO:6860					
	SEQUENCE LENGTH: 359					
	SEQUENCE TYPE:nucleic	anid				
25	TOPOLOGY: linear	acru				
	CLONE: HUMGS08090					
	SEQUENCE DESCRIPTION:					
	GATCTTAATA TAAATNCACT	TTCATTTTTN	ATAGCTGTCC	CATCTGGTCA	TTTGGTTGGC	60
	ACTAGACTGG TGGCAGGGGC					
30	TCAGAATTTG TGTTGAAGGA					
	GAAACTACTG CCTTTAGAAA	NTATAAGTAA	AGTGATTAAA	GTGCTCACGT	TACCTTGNCA	240
	CATAGTTTTT CAGTCTATGG	GTTTAGTTAC	TTTAGNNGGG	NAGCNTGTNA	CTTATATTAN	300
	TAGTANTTIN GTAAAGTTGG	NTGGATAAGC	TATCCATGTT	GCCAGGTTCA	TGGATTNGN	359
35						
	SEQ ID NO:6861					
	SEQUENCE LENGTH: 75					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS08091					
	SEQUENCE DESCRIPTION:					
	GATCCCCAAA CCACAAATAC	ATATGTGTGC	CTAAGTTTGT	GCATGCATAC	ATTAAACAGG	60
	ACATAAAGTG TTAAA					75
45	ana .n					
	SEQ ID NO:6862					
	SEQUENCE LENGTH: 228					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
	CLONE: HUMGS08092					

	SEQUENCE DESCRIPTION:					
	GATCATCATG GCAAAACCAG	CTGGTGGGCC	CAAGCCTCCA	AGTGGGAAGA	AAGACTGGGA	60
	TGATGACCAA AATGATTGAA					
5	GTAGTACTCA AGAATCACCT					
3					HALLITGIN	
	TTTGTNTTCT TGGCTGGATG	HATAATAAN	CATATIGINA	CIGICAAA		228
	SEQ ID NO:6863					
	SEQUENCE LENGTH: 299					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08093					
	SEQUENCE DESCRIPTION:					
15	GATCATGCCT ACTITCTTCT	NTGTATCTCC	CTCCTTCCCA	GCCCACCCGG	GCAGCAGACT	60
	CTNATGGAAG NAAGGTGCCG					
	AGTTATCTTG GGAAACTGTT					
	TCATATTCAG AGTCTGGGGC					
	GTGCCCAGGG AGTCCAGCGA					-
20			10000.2.000		100,,,,,,,	200
	SEQ ID NO:6864					
	SEQUENCE LENGTH:298	-				
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear					
20	CLONE: HUMGS 08094					
	SEQUENCE DESCRIPTION:					
	GATCCTCTGA ACCTGCAGAG	GCCCNCTCCC	CGAGCCTGGC	CTGGCTCTGG	CCCGGTCCTA	60
	AGCTGGACTC CTCCTACACA					120
30	NGNNTGTCGG GGAGCCCCTG	CCCTTNACCT	AGCTCCCTTG	GCCAGGAGCG	AGCGAAGTGT	180
	NGGCCTTGGT GAAGCTGCCC	TCCTCTTCTC	CCCTCACACT	ACAGCCCTGG	TGGGGGAGAA	240
	GGGGGTGGGT GCTGCTTGTG	GTTTAGTCTT	TTTTTTTTT	TTTTTTTTT	TNANAAAA	298
35	SEQ ID NO:6865				•	
	SEQUENCE LENGTH: 296					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08095					
40	SEQUENCE DESCRIPTION:					
	GATCTGCGGG GCAANTTCAA					
	ATGCTCAAGG CCCTGCTGGG	CTCGAAGCAC	AAGGTGTGCA	TGGACCTGAG	GGCCAACCTG	120
	AAGCAGGTCA AGAAGGAGGA					
45	AGGAAGAACA TCGAGGAGAA					
	TCCTAGGCCA CTCGCTGCCC	CTACGNCTGC	CCCGGTGCCC	GGTTCCCAGC	AGAANN	296
	SEQ ID NO:6866					
	SEQUENCE LENGTH: 310					
50	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGSO8096 SEQUENCE DESCRIPTION: GATCCTGTC TGTCAGCTGC ACCCTGAGCA AAAACTTGCC ACACCAGNGC TCCTAGAAAC 6 AGCCCAGGCT TTGGAGCGGA CCCTGAGGAA GCCTGGGAGG GGTTGGGATG ACACGTATGT 12 CTTGTCAGAT ATGCTCAAGA CGGTGAAAAT TGTGTGACTG CTTAGGCCAA GCAGCCCTCC 18 TGCCTAGAAT GACCTTGGAC TCCCAGCCTG CCAGNGAATG NAGAAATACA ACGCACAGTA 24 CTTTTGAAGC TTCGTATTTT TCTTGGTTTC ACACTCAGCT ACATGTGACC TCCAGCTTGG 30 TGCGGTTAGN	2(8(4(
	SEQ ID NO:6867 SEQUENCE LENGTH:285	
15	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08097	
	SEQUENCE DESCRIPTION:	
20	GATCAGTTCA AGAAGGTAAT CCAAGGGCCT GATGACTCTT TTGGTAACCA GACACCAATC 6 AAATAAGGGG AGGAGATGAA AATGGAATNA TTTCTTCCAT GCCACCTGTG CCTTTAGGAA 12	
	CTGCCCAGAA GAAAATCCAA GGCTTTAGCC AGGAGCGGAA ACTGACTACC ATGTAATTAT 18	
	CAAAGTAAAA TTGGGCATTC CATGCTATTT TTAATACCTG GNTTGCTGAT TTTNCAAGAC 24	
	AAAATACTTG GGGTTTTCCA ATAAAGATTG TTGTAATATT GNAAA 28	
25		
	SEQ ID NO:6868	
	SEQUENCE LENGTH: 201	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS08098	
	SEQUENCE DESCRIPTION:	
	GATCAGACTC TGTATCAAAA GTACCTTTGC CCTTAGGAAG AGTGAGTATT GGAGTCATCT 6	
	TATCTATTAC TCCAAACCTC CCTTTTNATT TCTTGAGCCT GGCTTGGACC TTGGCATTCC 12	
35	GTTTGANTTC CTTCTAACTG GAACATTTGT GTTGTATCTG TAACACTGGC ACTGAAATAA 18	
	AGACCACACG GTTAAAGNAA A 20	1
	SEQ ID NO:6869	
	SEQUENCE LENGTH:50	
40	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO8099	
	SEQUENCE DESCRIPTION:	
45	GATCATGTGC TGCCTTTTAC TGCTGAATTA AAACAGATAT TTCACGNAAA 5	0
.•		
	SEQ ID NO:6870	
	SEQUENCE LENGTH: 43	
	SEQUENCE TYPE: nucleic acid	
50	TOPOLOGY:linear	

	CLONE: HUMGSO8100 SEQUENCE DESCRIPTION: GATCTTCAGT GTAAATNACC ATGTATAAAC TGTAAAGTGC AAA 43
5	SEQ ID NO:6871 SEQUENCE LENGTH:247
10	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08101 SEQUENCE DESCRIPTION:
15	GATCATITAA TATATTCATA TTACCAAGAC TATTATACTG GAAGTGGTTT TTGTGTTATA 60 AAGGTTTAAT TTTACATANG GCAGTTACTT AATGTGATTT TNAACCCTTA AAAAAGTGGA 120 GATGTATACA TTTGTTAACA ATGCCATGAA AGCATTTNCT TTCTCCTAAG GAAAAGTGAA 180
	TTTCTTATCA GAATATCTGG CTGGCCCTGT AATTTAAATT AAAATAAANT TTTGGCGNAN 240 CAGCAAA 247
20	SEQ ID NO:6872 SEQUENCE LENGTH:288 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25	CLONE:HUMGS08102 SEQUENCE DESCRIPTION: GATCTATCTG AGAACAAAGA AGTCGACAGA ATAACATTGA TGACTTTTTA AATAATTAAT 60 TTATTTGAAG AATGCTTGCA TACAAAAAGC TTCCTGCAGG AATTTTAAAC AAGCTGTCCT 120
30	TGGTTATCCC AGGCAATGTC AGTTGATTTA NTTAAGTTTA CATGCAAAAG NGAATACAAT 180 TGTAACATTA ATTGGAACAT TAAGTTGGCT TATAAGCAGT ATTTCCACTG CTCCTACAAT 240 TGNTTTNNGT TATTTGATAN TTNATTTNAN ATTNGTNTTT GGTGTGGN 288
35	SEQ ID NO:6873 SEQUENCE LENGTH:294 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08103
40	SEQUENCE DESCRIPTION: GATCGTACCT ATTGCACTCC ATCCTGGATG AAAGAGCCAG ACTCTGTCTC AAAACAAACA 60 AAAAAGCGTG GGGACTTCTG GGGACAGACA AGGTGCCTGT AATATATTTN CTCAGTCTTT 120 GCCCTGAATG GTCTCAGCTT GANACCATNT CAAACTGGAG AGAAGCAAGC CAGCCAATAG 180 AATGGGGTGA TTTACAGGGA TTTCTGTTTA CTGTCAAAAT ATTTCTCATC TGCACTATGT 240 TTCCATTTGT GGTCCTGAAG GAAATTCTTA TAACTCAACA TTTGTCTGGT CTTN 294
45	SEQ ID NO:6874 SEQUENCE LENGTH:295 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE: HUMGS08104

	SEQUENCE DESCRIPTION:					
	GATCCGACAC TCCAGGCAGA	GCAGAGGGCA	GGAGAGGCCC	AAAGAGCTAG	GTCAAGCAGC	60
	TGGCTCCCCT GGAAGGGGAG					
5	GCATGGCTGT CTGCACACTC					
ט	GTGAAACTNA TCAGTGTCAC					
	GCGGCCTTGG CTGCTCCANA					295
	deducting cidelection	GCANICCONI	TOCTOCANCT	ICAAGCCATI	GGGGW	490
	SEQ ID NO:6875					
10	SEQUENCE LENGTH: 168					
	SEQUENCE TYPE:nucleic	2014				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS 08105					
15	SEQUENCE DESCRIPTION:	0.50.01.00		maa		
	GATCCTGTAT TATCCATCTA					
	GGCCCTGCAA GCTTAGGATG				TUATTUCCTC	
	TTATCCATCT GCAGGTGAAT	CTTCAATAAA	ATGCTTTTGT	CATTCAAA		168
20	SEO ID NO COSC					
	SEQ ID NO:6876					
	SEQUENCE LENGTH: 141					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS08107					
	SEQUENCE DESCRIPTION:					
	GATCCTTGAG ATGACTGTAG					
	AACCAGAGGA CTCAGCGAAA		ATTCCTGACC	TACAGCGGCA	GTGAGATAAT	
00	AAATGCTGTT GAGGTCACAA	A				141
30	are the season					
	SEQ ID NO:6877		_			
	SEQUENCE LENGTH: 124					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS08108					
	SEQUENCE DESCRIPTION:		a. aaa. maa.			
	GATCTGCTCA CCCTCGGTNC					
	GGGTGCCCAT NGTGAGCTGT	GTATTTCCTA	GGAGGTAGAA	AACAATAAAA	AATTGCATGC	
40	TAAA		•			124
	CEO ID NO. COZO					
	SEQ ID NO:6878					
	SEQUENCE LENGTH: 280	. ,				
45	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY: linear					
	CLONE: HUMGS 08109	•				
	SEQUENCE DESCRIPTION:	0#000#****	0001050010	1.01.01.00.00.00.00.00.00.00.00.00.00.00	00.000000	
	GATCCTCCTG CCTCAGCCTC					60
7.O	LAGALIENLI STATTTONAS	A A LA A GA A TOTAL OF	I. C. L. L. L. All'C. A.T.	A F DESCRIPTION A	TOTAL TOTAL A TOTAL	1.7/1

5	ACTCCTGGAT TCAAGCAATC TTTTAATAGT CGATTTGTGT NTGTTGNTGN AAAAAGTANA	ATATTTTTTG	GTAGTATCTA	CATATATTTA		
10	SEQ ID NO:6879 SEQUENCE LENGTH:198 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08110 SEQUENCE DESCRIPTION:	acid				
15	GATCATTGTT GAACTTCAGC CTATATCTTG TTACTTACAA ATATCNGTGT ATATACACGC ATAAGTATTA TTANTAAA	AATAAAAAAC	AGATTAATTA	GTGGCTTTTA	AATTGTAGTT	
20	SEQ ID NO:6880 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGSO8111 SEQUENCE DESCRIPTION: GATCAAAGTT GTTAAAATTA TTCAAA	TAAATNTATG	ATGCAGNAAT	AAAATTGATA	TATTTTGATA	60 66
30	SEQ ID NO:6881 SEQUENCE LENGTH:100 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08112	acid			·	
35	SEQUENCE DESCRIPTION: GATCTCTTAC CTTTGGAAAA TTTTGTTATT AAATAGCATT			GGTTGTGATT	AAGAAGATGG	60 100
40	SEQ ID NO:6882 SEQUENCE LENGTH:30 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGSO8113 SEQUENCE DESCRIPTION: GATCAAAGAA ATAATTCTTT	TGCCACTAAA				30
50	SEQ ID NO:6883 SEQUENCE LENGTH:172 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

,	CLONE: HUMGS08114					
	SEQUENCE DESCRIPTION:				~ m ~ c ~ c ~ v m m ~	
	GATCACTACA ACAATTTGNC					60
5	TGCTGTCCTT TGGNGGGTGT					
	NGGCNCTTCT TCTGACCCTG	CCACTAAAAA	ATTTATGGNC	CAAGGGUNCA	AA	172
	SEQ ID NO:6884					
10	SEQUENCE LENGTH: 291					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08115					
	SEQUENCE DESCRIPTION:		CTT 1 1 TC 1 1 C	4 1 CCTTC 1 CT	CC+*********	00
15	GATCAGCAAT NAGGGTGAGG					60
	GAGGAAGGAG AGGGAGGAGA TGCCCTGCTC ACAGATGAAC					
	CCAGCACCCT GAGACCACAC					
	AAGACAGTTT CGCCTCTNGA					291
20	ANUNCAUITI CUCCICINUA	AAUCCUCAUC	Ideaccinad	CIUUNUCIUU	N .	231
	SEQ ID NO:6885					
	SEQUENCE LENGTH: 30					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
25	CLONE: HUMGS08116					
	SEQUENCE DESCRIPTION:					
	GATCTGTAAA TAAAACTTAC	ATTTTTCAAA				30
30	SEQ ID NO:6886					
	SEQUENCE LENGTH: 291		•			
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
05	CLONE: HUMGS08117					
35	SEQUENCE DESCRIPTION:					
	GATCTGCCTG CCTCGGNCTC					60
	CTAGAATCTT GTATAATATG	TAATTGTAGG	GAAACTGCTC	TCATAGGAAA	GTTTTCTGCT	120
	TTTTAAATAC AAAAATACAN					
40	CAACCTCATT GGNACAAGTA					
	TGTTTTACAA TTTTNACCAT	TTTTTTCAGT	AATTACTGTA	AANNGNNNNN	N	291
	SEQ ID NO:6887	•				
	SEQUENCE LENGTH: 288					
45	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGSO8118					
	SEQUENCE DESCRIPTION:					
50	GATCCCAAGC TCAGTCCCCA	CAAAGTTCAG	GGCCGGTCGG	AGGCAGGGGC	AGGTCCGGGT	60

5	CCAAAGCAAG GACACCACAG GATGTGAAGT CCCACGCTGC AAGCCCAAAG TGAAGAAGGA	TGGCTCCAAG GAAGGGCAAG	CAGCACGAGA ANGGNGAAGG	GCATCCCGGG GCAAGANGAN	CAAGGCCAAG	180 240
	SEQ ID NO:6888	GGCICATIAA	ACCITCUICI	CIGCCAAA		288
10	SEQUENCE LENGTH:308 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08119	acid				
15	SEQUENCE DESCRIPTION: GATCCGCATT GAAGACCCAC AGCGNTTATC ATGAAAGNCA			•		
	GGGTGTCCGT GTGCTAGAGA CATCATACCC GTAATGCTTT CAGGACATGG AAGAGGCCTC	CTTTTTTCCT	TTATTGCCAA	TCTTTGAACT	CATTCAACTC	240
20	TTGTCTGN SEQ ID NO:6889					308
25	SEQUENCE LENGTH:308 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08120	acid				
30	SEQUENCE DESCRIPTION: GATCATGTCT TTTGCAGGAA GCAGGAACAG AAAACCAAAT AACTGATGAA CACAAAGAAG GGAGGAGGGN GAGGAGCAGA	ACTGCACGTN GAAACAACAC	CTCACTTATA ACAATGGGGT	AGAGGGAGCT CTACTTGACA	AAATNATGAG GTGGAAGGTG	180
35	GAAATAATCT GTACAACAAA TGTACCCN					
	SEQ ID NO:6890 SEQUENCE LENGTH:224 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGSO8121 SEQUENCE DESCRIPTION:					
45	GATCAATTCC CTTGAATAGG TCCATATTGT CCTGCTCCCC GAGAGAACCC AGATGTTGTT GTACAATGTT AACCCTAAAT	TGTTTGACGA TATTGAATCT	CAGTGCATTT ACAACTCTGA	GCCTTGTNAC AAGAGAAATC	CTGTGAGCTG	
50	SEQ ID NO:6891 SEQUENCE LENGTH:28 SEQUENCE TYPE:nucleic	acid				

:	5	TOPOLOGY:linear CLONE:HUMGSO8122 SEQUENCE DESCRIPTION: GATCAAATAA AGTTATAAAA					28
1	o	SEQ ID NO:6892 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8123	acid				
1	5	SEQUENCE DESCRIPTION: GATCAGGCCT GGCCACTCCT AATNCTGATT CCNNTACTAC TAAAACTATT TATATACAAA	ACCCTTCCCA				
2	· .	SEQ ID NO:6893 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8124	acid				
2	5	SEQUENCE DESCRIPTION: GATCGTCATC CCTTCCTGGA CTAGGAAGAT GGATGAAAAC AGGGAAGAGG GGTTGTTTCT	AGCAAGCCTG	TGGATNGAGA	CTACAGGGGA		
3	о	SEQ ID NO:6894 SEQUENCE LENGTH:253 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8125	acid				
	0	SEQUENCE DESCRIPTION: GATCACCTGA GGTCAGGAGT CTAAAATTGA AAAATTAGCT GGCTGAAGCA GGAGAATCGC GCCACTGCAC TCCAGCCTGG	GGGCATGGTG TTGAAACAGG	GCAGGTGCCT AGGCAGAGAT	GTAATCCCAG TGCAGTGAGC	CTATTGGGGA CGAGNGGGGN	120 180 240
4	5	TTTTTCTGCG AAA SEQ ID NO:6895 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				253
5	o	CLONE:HUMGSO8126 SEQUENCE DESCRIPTION: GATCACTTGC AGCCCAGNAA TAAAAAAGTT TGTTTTTAAA			ACACAGTGAA	ACCCNCTCTC	60 99

5	SEQ ID NO:6896 SEQUENCE LENGTH:286 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8127 SEQUENCE DESCRIPTION: GATCAAGCTA TGCCTGATNC	TGCCTTAAGC				
10	TCCTGGTGGG CAGAGCTGTG TGCCTGGCAC AAAAGAGTTG (AGGCACTTTG AGCTACAGAT (ANTTANGCAT GTGATAAATG (CTCAATAAAT GCGTTTAAAT	AAATCAGGAT ACTTTGTGTT	GANTGGNTAA TTTCTTAGTC	ATACATGGNT	180
15	SEQ ID NO:6897 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO8128	acid				
20	SEQUENCE DESCRIPTION: GATCATGGTG AAATATTTTN G GCAAAGATGT AAAATATGCC A TATGCAAAGA NTTCAAA					
25						
30	SEQ ID NO:6898 SEQUENCE LENGTH:290 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO8129 SEQUENCE DESCRIPTION:					
35	GATCCGCAAC AACTCAGCCA T AAGACACTCC TCCACTTATC C TCGGACCAGA GCCATGTAAG A AGGGTGGGGG TAATTGTNTG T GCGGTCTGTA NCTATTGCCA T	CGNTCCGTGA NAAAGGCCTG CTGGTNGGCC	TATGGCTCTT TTCCCTGGAA CAGTTAGTGG	CGCATGCTGA GCCCAAAGNA GCTTTNNTAA	GTACTGGACC CTCTGAATTG GTGTGTGTAT	180
40	SEQ ID NO:6899 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic a TOPOLOGY:linear	acid				
45	CLONE: HUMGS 08130 SEQUENCE DESCRIPTION: GATCATAAAA CGTTGTAAGT TATTGTCACAA A	ТТСТААААС	ACATAAGCTC	TCAATAAACG	TTAGCTTATC	60 71
	SEQ ID NO:6900					•

5	SEQUENCE LENGTH:211 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8131	acid				
10	SEQUENCE DESCRIPTION: GATCAAACAC TGTCAGAATT TTACTATTCA ATATTGAACA CTNCATTAAA TCTTAATGTA AAAGNNGGGN TTGTTANCTT	TAATATTGTT ATATTGTAAG	AAATATNGNG NCTTTTGAGA	ATGAAATGCT	GTTGGATNTG	
15	SEQ ID NO:6901 SEQUENCE LENGTH:81 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8132	acid				
20	SEQUENCE DESCRIPTION: GATCATCATC TNCTTGCGGA AAAANGCTGG TNGAACTTAA		TGGTCTTGTG	TGTTCTGTTA	TTCAAACAAT	60 81
25	SEQ ID NO:6902 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8133	acid				
30	SEQUENCE DESCRIPTION: GATCAGACAC TGCCTTTTGT CATATTAAAA NAGTGTACAT ACTGAAGNTT TTATTTTNG	ATATAAATAT	NACCTCTTTT	GCTGTACAGT	TGTGATAGAG	
35	SEQ ID NO:6903 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGSO8134 SEQUENCE DESCRIPTION: GATCATCTAA TTCTCTGTGG CCCATACAAG TTTATAAAGA			TTACAAGGGA	TAATTTAGAC	60 92
45	SEQ ID NO:6904 SEQUENCE LENGTH:312 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08135	acid				
50	SEQUENCE DESCRIPTION: GATCTGGAAA ATACTGGAAA	ATGTGATACT	TAGAATACTT	TGGCTGCTAA	GGAAACTTCC	60

5	TCTCCATTGC AGAATAGCTG AGCCAAGTNA GTGAGTTTNC AGAAAGCAGG TGGTGAGCTC 120 NTGCCTGCTG GAGGTTGCCA TGGAGGGCCA TTCCTGCCCG GCAACAGCAC CGTCCTGCAG 180 GGAGCCACTT GGCAGAAGGG TGCAGGGCTG CTGGTGTCAG AGCAAGAGGG CTACAGGGAA 240 AGGGCCCTTT CTCAGGGGAT GTNGNTTTTT TAAAAGGTTT GGGNACACTT GGCGGGTTTG 300 CTAAAATTGA GN 312
10	SEQ ID NO:6905 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15 ,	CLONE:HUMGS08136 SEQUENCE DESCRIPTION: GATCTCTCTT GCAGCTTGAG AATGTCCCAG TTAAGCCACT TTAAAANTCC TCTNTCCTGC 60 AGCCCAACAC TTTNCTAAGA GGTACAGAAA NGANAGGAAA TAAAACACAC ATCATTATGG 120 AAA 123
20	SEQ ID NO:6906 SEQUENCE LENGTH:212 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08137
25	SEQUENCE DESCRIPTION: GATCTCAACA CAGACCCTNA CCAGCTGATN AATNCAGTNA ACACACTGGA CAGGGATGTC 60 CTCAACCAGC TACACGTACA GCTCATGGAG CTGAGGAGCT GCAAGGNTTA CAAGCAGTGT 120 AACCCCCGGA CTCGAAACAT GGACCTGGGG ACTTAAAGAT GGAGGAAGCT ATGAGCAATA 180
30	CAGGCAGTTT CAGCGTCGAA AGTGGCCAGA AN 212 SEQ ID NO:6907 SEQUENCE LENGTH:235
35	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08138 SEQUENCE DESCRIPTION:
40	GATCAAGCCA AAAGAAATAT TITTNAAATA AGCCCTTTTC AAAAGTTTTT GAATTTATAG 60 AAAGCACCAA TGAATAACAT ATTTCTGTTT CGTTAATGTC AGCTGCCTGA ACATTCAGCA 120 GTTTATAAAAT TGCTTAATTT GTGTNATCTA TTATCCAGTA AACCCATAGT TCCATGATAT 180 GTCACAGGNA TTGTNAGGTC CTATTTTAAA GGTACAGTCT TGTGGNATGT CATCN 235
45	SEQ ID NO:6908 SEQUENCE LENGTH:224 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE:HUMGS08139 SEQUENCE DESCRIPTION: GATCCTTTGA GCCCAGAAGT TGGAGACCAG CCTGGACAAC ATGACAAAAC CCCATCTCTA 60

	CAGAAAATTT AAAAATTGGC	CAGGCGTGGT	CGCGCACGCT	GTAGTCCCAG	CTATTCAAAA	120
	GGCTGAGGTG GGAGGATTAT	GTCCCTGGAG	CCCAGGAAGT	GGNGGTTGCA	GNGATTGCAT	180
5	CACTGCATTT NAGCCTGGGT	GACAGNGTAC	GCCNCTGTAT	CAAA		224
	SEQ ID NO:6909					
	SEQUENCE LENGTH: 215					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY:linear					
	CLONE: HUMGS08140	<u>-</u>				
	SEQUENCE DESCRIPTION:					
	GATCCTGCTG GCCAGAAGCA	AGCGGGNNCG	GCAATAAATC	CAAGAAATTG	TCCCAACAAC	60
15	CACCAATTCT TACGGAGGAN	TATTATTTAG	CCAGCAGGAG	TCGNGTTTGG	TTTACTGCTT	120
75	TTACTGTTTT GNGTTCATGN					
	TTGGTAATGC AGCTTAGTAT					215
	SEQ ID NO:6910					
20	SEQUENCE LENGTH: 253					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS08141					
05	SEQUENCE DESCRIPTION:					
25	GATCACAGAC TCTGAAGNCA	GACTGGCAAG	ATTCAAATCC	CGACTGCCAT	TTTTAACTGA	60
	AAGACCTTAG GTAAGTTACC					
	ATCCACTTCA CAGAGTTATG					
	GTACTTGGCA CATAGTAAGG					
30	TNTCCNAATN AAA					253
	SEQ ID NO:6911					
	SEQUENCE LENGTH: 359					
0.5	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS08142					
	SEQUENCE DESCRIPTION:					
	GATCACACTG CTGCAAGACC	TGACCAGTTG	AGCTTCCGGC	GTGGGGAAGT	GCTGCGTGTC	60
40	ATNACCACAN TGGATGAGGA	CTGGCTCCGC	TGTGGGCGGG	ATGGCATGGA	GGGTCTNGTG	120
	CCTGTGGGGT ATACCNACCT	TGTTCTGTAG	CCCTGGNGNC	CTTTCCTGCG	TATGTGTCTC	180
	CTTCCTGTCA CCTGGGCATG	GAATGGCCAG	TGAACACCAT	CCCAGAAGCA	TTTTCCCTCT	240
	GCAAAATGAC GTTTCTTCCC	ACGTCTGTTT	CTGCTAATAT	TTAAAATAAA	CTTTCCTTCT	300
_	TCCCTCCTAT ACCANCTGTA	AGGGAAAATN	TGCTCTTNTT	CCAAATATAT	AAAAAGGTN	359
45						
	SEQ ID NO:6912					
	SEQUENCE LENGTH: 49					
	SEQUENCE TYPE: nucleic	acid				
50	TOPOLOGY:linear					
	CLONE: HUMGS08143					

	SEQUENCE DESCRIPTION: GATCTTTTAC ATTGCAAACA AAATGCTGTA TTGCT	TAAAA GGGTTGAAA	49
5	SEQ ID NO:6913		
	SEQUENCE LENGTH: 30		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY: linear		
10	CLONE: HUMGS08144		
	SEQUENCE DESCRIPTION:		
	GATCAGTTAA TAAACATGAG TAGCTTGAAA		30
	SEQ ID NO:6914		
15	SEQUENCE LENGTH: 128		
	SEQUENCE TYPE:nucleic acid		
	TOPOLOGY: linear		
	CLONE: HUMGS08145		
20	SEQUENCE DESCRIPTION:		
	GATCTGAACT GTACAAAGTT CTCATAGCAC CNCTG		60
	TGACACCAGC TCCTTTTCCT TNTATACATT ATTTAA	TACC TATTAAATAC AATTATTTTT 1	20
	GGAATAAA	1	28
25	SEQ ID NO:6915		
	SEQUENCE LENGTH: 425		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY:linear		
30	CLONE: HUMGS08146		
	SEQUENCE DESCRIPTION:		
	GATCTACTTG TAACTTGTTG GCCTTCTTCC CACATO		60
	CTCCTCGGGT GATATCTAGC CTGCTTGTNA GCTCTA		
	GGAGGGAATT GTGTTGCTCC TGGAGGGAGC CCAGGC		
35 .	CCTGGCTTCC GNGGGCCAAT TCATCTTCA GACAAT		
	AGAGACTCAC ATGCTTTGGT TAGTATCTGT GTTTCC		
	CCNGAAGGGN CTGAGCTAAA CAGTGTTATT ATGGGA		
	CNAGCGCTAN ATGCAACCAT TNCNCTNTTG TTATAG		
40	GGTTN	4	25
	SEQ ID NO:6916		
	SEQUENCE LENGTH: 81		
	SEQUENCE TYPE:nucleic acid		
45	TOPOLOGY: linear		
-	CLONE: HUMGSO8147		
	SEQUENCE DESCRIPTION:		
	GATCCACCAC CCAGCTTCAC CCCTCACCCC CAGCGG	CTCA CCATGGGGAT GGCAGCAATA	60
	AAATACTTCT AATGGAACAA A		81
50			

5	SEQ ID NO:6917 SEQUENCE LENGTH:254 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08148 SEQUENCE DESCRIPTION:	
	GATCAACAAG CITTNCCACG AATTTAAGAG TTTTATCAAG ATATATCGAA TACTTCTACC	60
10	CATCTGTTCA TAGTTTATGG ACTGATGTTC CAAGNTTGTA TCATTCCTTT GCATATAATT 1	
	AAACCTGGAA CAACATGCAC TAGNTTTATG TCAGNAATAT CTGTTGGNTT TCCAAAGGNT 1	
	GTTAACAGAT GANGTTTATG TGCAAAAAAG GGTAAGATAT AAATNCAAGG AAGNAAAANN 2	40
	GTTGNTAGCT AAAN 2	54
15		
	SEQ ID NO:6918	
	SEQUENCE LENGTH: 134	
	SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear	
20	CLONE: HUMGS08149 SEQUENCE DESCRIPTION:	
	CARCAGA ACCOUNT ACCOUN	ca
	AAGTGAATAT TITCCCTTCT CCCTTTACCC TTCTCCAGAA ATAAAGCAGG TGACAGGGTT 1	60
		34
25	Trindanter tana	34
	SEQ ID NO:6919	
	SEQUENCE LENGTH: 277	
	SEQUENCE TYPE: nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUNGSO8150	
	SEQUENCE DESCRIPTION:	
	GATCAAGAGT AATTACCAAC TTAATGTTTT TGCATTGGAC TTTGAGTTAA GNTTATTTTT	60
05	NAAATCCTGA GGACTAGCAT TAATTGACAG CTGACCCAGG TGCTACACAG AAGTGGCTTC 1	20
35	AGTGAATCTA GGAAGACAGC AGCAGACAGG ATTCCAGGAA CCAGTGTTTG NTGNGGCTAG 1	80
	GNCTGAGGAG CAAGCGAGCA AGCAGAGNAA GAAAAGTTAA ATACCAGNTA AGCTTTTGAT 2	40
	TTTTGTATTG TTTGCATCCC CTTGCCCTCA ATAAACN 2	77
	SEQ ID NO:6920	
40	SEQUENCE LENGTH: 255	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS08151	
45	SEQUENCE DESCRIPTION:	
	CATOR COLOR CALCACTOR CALC	60
	ATCCTTTAGC CGAAGCTCCA GCCTCATTCA CCACCGGAGA CTTCACACTG GAGAAAGACC 13	
	CTATGCGTGC AGTAAATGTG GGCAGTCATT TAAGCAAAGC TCCAGCTTCA GTTCACATCG 19	
50	GAAAGTCCAC ACNGGGGANN GGCCTTATGT GTGTGGGGNC TNTGGGNANT CCTTTAGCCA 24	
-	#. #####	55

5	SEQ ID NO:6921 SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8153 SEQUENCE DESCRIPTION: GATCTGGCTT NTCCNGGAGG CAGTCTGTCT CCGGGCCAGG TGCTAGGACC AGGGTGATTT CCCAGCCCGG TCCNCGTGTA ATTGCTGTTT GTATATTATC	CTNCCATGGT GTCAGGGACC CAAGCCAGGG TGTGCCNTGG	CTCTGCCTCT AAGCAACTGG TCCCCTTGCT	GGCAGCCTTA GACCCTGAAA	ACCTGTCCTC ACTGTCCCTC	180
15	SEQ ID NO:6922 SEQUENCE LENGTH:83 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGSO8154 SEQUENCE DESCRIPTION: GATCTTCTTT ATAACTATTT CATGAGCGCT GATGATTTGC		TCACTTTTAG	GATGTAACTT	TATAAATAAA	60 83
25	SEQ ID NO:6923 SEQUENCE LENGTH:207 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			·	
30	CLONE: HUMGSO8155 SEQUENCE DESCRIPTION: GATCCTCATC TCCATCCTCA ACACCATGTC AGTCATGATG					60 120
35	CTAAGATGGG AAACTGTGGT TGACTAAATA TACAGTCATT	ACAGATAGAC				
40	SEQ ID NO:6924 SEQUENCE LENGTH:199 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGSO8156 SEQUENCE DESCRIPTION: GATCACTGTG GGCTGGAGAG	GAGAACGAAA	GGGTCTGCGC	CANNOTOTO	GTCTTC&CCC	60
45	ATANCAAAGC ATACTAGAGC GGTATGACTA CCGTTACCTA AGAGCTGTGT AACATCAAA	AAAAAACCAG	TTGTAATATA	AAATGCACTG	CCCTACTGTT	120
	SEQ ID NO:6925					
50						

5	SEQUENCE LENGTH: 358 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS08157	
10	SEQUENCE DESCRIPTION: GATCATGCAG CAGAAGCAGA AAAAGGCAAA CNAGAAGAAG GAGGAACCCA AGTAGCTTTG TGGCTTCGTG TCCAACCCTC TTNCCCTTCG CCTGTNTGCC TGGAGCCAGT CCCACCACGC TCGCNTITCC TCCTGTAGTG CTCACAGGTC CCAGCACCGA TGGCATTCCC TTTNCCCTGA IGCTTCTCCAGCG GGTCCCTTTT GTNCTTCCTT CCCCTCAGGT AGCCTCTCTC CCCCTGGGCC 2	120 180 240
	ACTCCCGGGG GTGAGGGGGT TACCCNTTCC CAGTGTTTTT AATTCCTGTG GGGCTCACCC C	300 358
15	SEQ ID NO:6926 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid	
20	••	60 62
25	SEQ ID NO:6927 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic acid	-
30	TOPOLOGY:linear CLONE:HUMGS08159 SEQUENCE DESCRIPTION: GATCAGATAC AGCATTAAAC GTTTCTCAGT CTCCCTNTCC TCATCTGTAA A	51
35	SEQ ID NO:6928 SEQUENCE LENGTH:259 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUMGS08160 SEQUENCE DESCRIPTION: GATCTTGCTA AAGTTAAAAT AAGGAACATT TCACCTTTTA AATATTTAAT TCTNATGTGG ACTTATTTCC AGAAAACTTT GGTGATAATT CTTGAGACAA AAGGTGGTTA AGTAGCATTA 1 TTATGTAATG CTTATATACC ATAGAGTTTT TAATAGANGA GAAATCCATT TCCTCCGAGG 1 GTCACTATTA ACAATGTACT TCCTTAAATT TNGTTTAATG ATTGTGATGG GTGCTGCATT 2	80
45	MOS. C. TROCK AND	:40 :59
	SEQ ID NO:6929 SEQUENCE LENGTH:226 SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	

	CLONE: HUMGS08161	
	SEQUENCE DESCRIPTION:	
	GATCGGATGC TGAATAAAAC TCACCGTGAA GCAAGTCCCA CTGAACGAAA AGTTGGTCGT 6	0
5	AGCATTINIC AGCAGCIGCT TCCGGCTCCC TGAGACCCAG CCATGGAAGG CATAGAAAGG 12	0
	CATGTGACAA GAAACTCATG GCTTTTAATC CTGGCAGGNC AAGGAAAACC CCGTCAAAGN 18	
	TTTGCATAAN TTTTGCTGCT CTCCTGCTGG GGGGGGNNGG NNNNNN 22	
10	SEQ ID NO:6930	
70	SEQUENCE LENGTH: 219	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGSO8162	
15	SEQUENCE DESCRIPTION:	
	GATCGTTCTT GATTTTGTTT TCATTAGTGT CATTTCTTTG TCATTGAGGA CTTTTCCCCT 60	-
	TACAACAGTA ACACCATTTT TTGAAGAGCA AAACTTATAA TACCTCCTGG GATTGTNAGC 120	
	TAGTCATTCA GCCTGTGTAA CCATGTGGAA ATAAAAATTG ACGACCAATG TATTATATGG 180)
20	ACAACTTTTG CTTTGAGTAA TAAACTTGAT TGTAGGAAA 219	3
	DRO IN NO COOL	
	SEQ ID NO:6931	
	SEQUENCE LENGTH: 111	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE: HUMGSO8163	
	SEQUENCE DESCRIPTION:	
		`
	GATCCCACCC ATTCTTTCAC TTTAAGAAAA AACAAATAAT TGTTGCAGAG GTGTCTGTAT 60 TTTGCAGCTG CCCTTTTGTA AGANGCACTT TTCCCAAATA AAACAATTAA A 111	
30	III ONBOIS COCITITUIN NUMBERORII II COCAMAIN ANNOANIIM N	ı
	SEQ ID NO:6932	
	SEQUENCE LENGTH: 109	
	SEQUENCE TYPE:nucleic acid	
05	TOPOLOGY: linear	
35	CLONE: HUMGS08164	
	SEQUENCE DESCRIPTION:	
	GATCATTTGA AATNTCTGGG AGTCTGAGGN GTACTGACAT AATNACCTGC TGGAGTCTGT 60)
	AAATACACAT TTAAGACAGT GAGGATGTGA ATAAATATAT TAATGCAAA 109	}
40		
	SEQ ID NO:6933	
	SEQUENCE LENGTH: 111	
	SEQUENCE TYPE: nucleic acid	
45	TOPOLOGY: linear	
_	CLONE: HUMGSO8165	
	SEQUENCE DESCRIPTION:	
	GATCAAATAG AGCCCTGTCC AGGTAGAAAA GAAATGGTAT GTAGAGCTTA GATGTCCCTA 60)
	TTGTGACAGA GCCATGGTGT GTTTGTNNTA ATAAANCCAA AGAAACATAA A 111	Ĺ
FA		

5	SEQ ID NO:6934 SEQUENCE LENGTH:243 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO8166 SEQUENCE DESCRIPTION:	
10	GATCCCAGCT GTTCTAGGCA GGGCCAGGCA GAGTGGGGCG CAGGCCCTNG AAGGGCGAGA CCCAGTGGCT GGGCTGCCCA GGGCTGAGGG GCCGCCTCTT GAGGGTACAC GCCTCTGGTC ACATGGCCAT GGAGCCTTGG GTACCCCTGA GTTAAGGGAG GACATTTGGC CAGCTGGTGG CTGGGAGGGG AGCCTGGCTG CCCTGCTGCT TCTCCTGCCT AATAAACAGG CTTCTCCTGC AAA	120 180
15	SEQ ID NO:6935 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08167	
20	SEQUENCE DESCRIPTION: GATCTATTTT NATAGGTTCT TTTTCAGAAG TAAAATTTTG TACATATATA CATGTACATA TCTNTTTAGT TTGGGTTCAT TTCTATAACA TTTTGTAAGA AAATAAAAGT TTGAGCACCT 1 GAAA 1	
25 30	SEQ ID NO:6936 SEQUENCE LENGTH:169 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE:HUMGSO8168 SEQUENCE DESCRIPTION: GATCAGTTGT ATGTAAATGT ACATTTTTGT NACTTTGGCT GTGCCCGTTA GAATTTATCT TCCATAAAGT ATTTCTCCCA TTGAGTCTAA TGATGTATAC TTTGCCTAGG TCTTTCCAAA 1 ATTAAATTTA TGTAAATGTC TATTTTATAT AAAATATGNT TAAAATAAA 1	
40	SEQ ID NO:6937 SEQUENCE LENGTH:314 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8169	
45	SEQUENCE DESCRIPTION: GATCACATTT AGGAGCAAGC AGGTGAGGGC AGAGGTGCTG GAGTGAACGT CGGCTCTTTG GCTGGTAGCC TTACCCACTG AGGGAGAGGA GCTGAAACAT GAAATGGGGA TGCGTGANCA 1 ATGTCTCCCT TTTGCAGAGC TGTATTGACT TGTTCAAGAA TAACTGATAT GCCTTCACTC 1 AGAAGAAAAG AAATGAATGT GAAAGAAAGC CAAGCATCNN TTTGCACTTA AATCANTTAC 2	20 80 40
50	CACGGAAGNT ATATTTAGCT TCAACTTTAG TTTAAAATTA TGTGAATTAA ATATTTTGAT 3 TTCCCTGGGN NAAA	100 114

5	SEQ ID NO:6938 SEQUENCE LENGTH:46 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08170 SEQUENCE DESCRIPTION: GATCAAGTGA CTGTTTAATA		TTGGGTAGAA	TGGAAA		46
10	SEQ ID NO:6939 SEQUENCE LENGTH:21 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS08172 SEQUENCE DESCRIPTION: GATCTTGCTG AAAACCAGAA	Å				21
20	SEQ ID NO:6940 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8173	acid				
25	SEQUENCE DESCRIPTION: GATCAACAAT CATCACCTGC TTAAACAGTA AAATAAAAGT		AAAGAAAAC	AAAAAAGTA	AATAAAAATT	60 85
30	SEQ ID NO:6941 SEQUENCE LENGTH:274 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8174	acid				
35	SEQUENCE DESCRIPTION: GATCACTACT GCAGCAGAAT CATTCGTAAT TTTAAGAAAA CTATGACACT GCACCTTGCC TTNATGAAAG GATAAAATAT	TTTCTTTACG CTATTAACAA	GGTGGAAGCC TGAACGAACA	AATTTACATG CGGCTACTTT	GATTAACCCT CCAGAGATAT	180
40	CACAGNAGTT GCTTATTCTN	CTCTGTAATT	TTAN			274
4 5	SEQ ID NO:6942 SEQUENCE LENGTH:246 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8175 SEQUENCE DESCRIPTION:	acid				
50	GATCTAAGTT GGGCAAAAGA CCAGTCTGCT GGTGGCCATC					60 120

	AAGCAAAGAG GTGGAGAGAA CCAGTCCCCC CGACTACGCT ANGAAA					
5	SEQ ID NO:6943 SEQUENCE LENGTH:215					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8176 SEQUENCE DESCRIPTION:	acid				
15	GATCCACATN ATACCGGTGC TGGAAGGGCC CAGATTTTG CCAAATATGA TTTAAAATAT NTGAATAAAG AATCAGTTTA	GAACAAGGAT CTTGGAGTCA	GCATACTATA AAGACTGCAG	ACTTATGTCT	TCCTCAGCGA	120
20	SEQ ID NO:6944 SEQUENCE LENGTH:171 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08177	acid				
25	SEQUENCE DESCRIPTION: GATCTGGACA CGAGCAGTCC CCACCCTGGG GTGGGTATTG ACACCTCTTC AAGGGAGCGT	TGGGCACTGC	TGCTCTGCTA	GGGAGAAGCC	TGTGTGGGGC	60 120 171
30	SEQ ID NO:6945 SEQUENCE LENGTH:161					
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8178 SEQUENCE DESCRIPTION: GATCGGCCCC GGAAAAAGTC GCCACCCTGA ATTTACCCGG TAACTTTATA TAANTATCTC	TGCCCCAGAA CATGCACTCT	TCAGATAAGC	CATGTCGGCC		
40	SEQ ID NO:6946 SEQUENCE LENGTH:251					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8179 SEQUENCE DESCRIPTION: GATCCTTGGG GAAGGTTTCA		ATCCTCTTCC	ስተተ ተር ርር ስላር	ፓ ር ፑፑ ፑር ፑ ል ሞ ላ	60
	ACATAATCAT GTTTCCAAAG TAATTTGCTT TCTGAGATAG	CACTTCTGGT	GACACTTGTC	ATCCAGTGTT	AGTTTGCAGG	
50	CCTGTGCAAG GAACACTTCC					

	AATTTTATAA A					251
5	SEQ ID NO:6947 SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08180	acid				
10	SEQUENCE DESCRIPTION: GATCCCTCTT GGTGTGAGTT TTAAACCTGT AAATAGTTGT TTGAACACCC CCCNCACTTT TGTTTGTTTT CTTATTTAGG GCGTCGAGCA GTCCTTNGTG	TACAAAGCAA ANTCCNTNGT NCTATTTATT	AGAGATTATT TCAGGCCGAT ANTGGTTGGN	TATTTCCATC GNGCTTGCTT	CAAAGCTCTT TCCTTCANCC	120 180
20	SEQ ID NO:6948 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08181 SEQUENCE DESCRIPTION:	acid				
25	GATCCAGCTT CAGCTGCACA TTGTATCACT GAAGTTTTTT TTTTTTCAAA					60 120 130
30	SEQ ID NO:6949 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8182 SEQUENCE DESCRIPTION:					
35	GATCACCAAT NNTNNCTTTG TAAATACATG GCTTGCTGCC				CTCGCCATGG	60 101
40	SEQ ID NO:6950 SEQUENCE LENGTH:304 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08184 SEQUENCE DESCRIPTION:	acid				
45	GATCATGAAG ACCTGCTTTA AGTAGGAGGG GCATCAGCTC GGATGTACTG TCTGGAAAGG GGTTAACCAA GTACCGAAAA CAATGACCTT TTGATGGTGA	GCATCCAGGA TGTCAGCTGA TAGTTCCCGA	TGCCCTGAGT CAATACTGTG TGACTTTNAG	ACAGTGTTGC GGCCGCTTCC ACCATGCTCA	AATATGCAGA TGATGAGCCT ACAGCAACAT	120 180 240 300
50	TGAN					304

5	SEQ ID NO:6951 SEQUENCE LENGTH:268 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8185 SEQUENCE DESCRIPTION:					
10	GATCCTATCT GTNCTGGCAG TGTCTCCATN CAGNGGGCAA GAGGAGGATG AAGAGGAATN TGCATTCCAG NGGCCCCCGT ACCCAGAATA AAGCCACTCA	CGCTGCTCGG ATTTGTCCTC GCCTCCTCGT	GCCCCAGGCA ACGCTCCCAA	CCCGGACCCT GACTGGTTTT	GGGCATGGCT TNTACTCTNA	120 180
15	SEQ ID NO:6952 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8186	acid		·		
20	SEQUENCE DESCRIPTION: GATCCCACCG AAGCAGCGTG TCTTCCACAC CCTCCTGGGA NATTAAAGAT AATTTATGTA	CCCCAGCCCT	GGAGAAGTAG			
25	SEQ ID NO:6953 SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08188	acid ·				
	SEQUENCE DESCRIPTION: GATCAGTGGG TCTAAGTNTC TGAGTTTGCA AA	CGAGACTTAA	CGAAAATAGT	ATTTCAGCTG	CAATAAAGAT	60 72
35	SEQ ID NO:6954 SEQUENCE LENGTH:293 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGSO8189 SEQUENCE DESCRIPTION: GATCAGCATC CTNCGNTGCC					
45	TGATTTTTC AGGAGCTGGA TTAACGTATT TAAGGGACCA CATTTGTCAC AGGTGTCTTG CAAGGGAATT TAGTATGTNA	CTTAAGACGA TGATTGANAA	GATTAGATGG TCATGAGCGA	GCTCTTCTGG AGTGAAATTG	ATTTGTNCCT CNTTGANTTT	180
50	SEQ ID NO:6955					

5	SEQUENCE LENGTH: 184 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGSO8190 SEQUENCE DESCRIPTION:	
	GATCCTTCAA TAAAAAATCA ATGTGTGAAG GTTCCTAGGC ATAAAAGGAA GTTCAGAAGG NTATGTAGGA AATACTGTTG TCTCTCTGGG GATTGGGATT ACAGGGATTT TTTCCTCTTT NCTTTTTGTT AAGTTTGTGT TTCCTAAAGT TTCTGCAATA AACGTACGAT GCTTGTATAA	120
10	TAAA	184
	SEQ ID NO:6956	
	SEQUENCE LENGTH: 327	
15	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08191	
	SEQUENCE DESCRIPTION:	
20	GATCTTGAAT TTCTACATAA CTTTCTCAGT TTATATGCCC TGTGGCAAGT GCAGCAAGCA CTGTTTCCTG TTTCTAAACT TGTAGAAAAT CATCCATACA TCTTACAGTT GTCAGTTTTA	
	ACCAGATAAC AGTGGCACTT TGTTGCTGCT TTTTTATCTT TAGCTTAGGT TAACAGGACC	
	CTGGAAGTAA AGTTGTTGAT TTATTCAATA GAGTATTCTC AATTAATTTG GCTAGATTTC	
	TACATGATTC AAANTCTAAA AANGTAGACA TGCATGCTTA CATGTCTAAG GCCTGAAAAA	
25	MMAGNAGAGN A. MAGALLILI M. L.	327
	SEQ ID NO:6957	
	SEQUENCE LENGTH:22	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUNGS08192	
	SEQUENCE DESCRIPTION:	
	GATCTAAGTG GTGGTATGGA AA	22
35		
	SEQ ID N0:6958	
	SEQUENCE LENGTH: 223	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY:linear CLONE:HUMGS08193	
40	SEQUENCE DESCRIPTION:	
	GATCTGTTGA CAATGGAGCA AGTGAAAGAC TTTGCTGCTA ATGTGTATGA AGCTTTTAGT	60
	ACCCCTCAGC AACTGGAGAA ATGATTTTCC CTTCAAGAAA AACTACAGTG GGATTCATTT	
	ACTITITAAA ATACACTGGG TAAATCACCT ATACTTAGAG TAACAGTTTG TTATCAAAAT	
45	COCTOURAL A ARABAR BUCER A COLOR BOOK BOOK BOOK BOOK BOOK BOOK BOOK BO	223
	SEQ ID NO:6959	
	SEQUENCE LENGTH: 331	
50	SEQUENCE TYPE nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGSO8194 SEQUENCE DESCRIPTION: GATCTTACTT GCGAAATGCG ATGGTTGCTG GGAATACCTG AAACTGTGGA TTATATTGCT	20
•	TGACTTCTAC CTCAGAATCT NCTTTGTTTC ATGACTTAAT AGTGCTTTAA GTNNGGTATA 12	
	TNATTTNACC NCTAGGAATT CTNTGTTTTA CACAGAAATA AAAATTTTAA AATAGAAAAT 18	
	GCTTTTACTT TGTAAGGTAA GNGAGTATCC ATATGCTTAG ATGTGCTCGT TTCTAAAATN 24	
	CTAGNGGTTG CTATANTCAG CTCATGGAAT GCACAGCTAT TGCTTTTTGT GNTAGATTGT 30	
10	ACATAAACAT CAGCAGNTGN AAGGGNAAAT N 33	
	SEQ ID NO:6960	
	SEQUENCE LENGTH: 211	
15	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS08195	
	SEQUENCE DESCRIPTION:	
20	GATCACCCAG ATGCAGTGAA GCTTTTNACC CGCCAGCTTT TGGAACTCCA TCAGGGACAA 6	
	GGCCTAGATA TTTACTGGAG GGCTAATTAC ACTTGTCCCA CTGAAGAAGA ATATAAAGCT 12 ATGGTGCTGC AGAAAACAGG TGGACTGTTT GGATTAGCAG TAGGTCTCAT GCAGTTGTTC 18	
	TCTGATTACA AAGAAGNTTT AAAACCGCAA A 21	-
	TOTALITADA ANDAGONITI ANAACCOCAA A 21	1
25	SEQ ID NO:6961	
	SEQUENCE LENGTH: 208	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08196	
30	SEQUENCE DESCRIPTION:	
	*	0
	CCAGTGCACC TCCCTGGCCT GGTCTGNTGA TGGCCAGACT CTGTTTGCTG GCTACACGGA 12	-
	CAACCTGGTG CGAGTGTGGC AGGTGACCAT TGGCACACGC TCGAAGTTTN TGGCAGAGCT 18	
35	TTNCAACTAA ANAANAANCT GGCATAAA 20	8
	SEQ ID NO:6962	
	SEQUENCE LENGTH: 165	
	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY:linear	
	CLONE: HUNGSO8197	
	SEQUENCE DESCRIPTION:	
	GATCCCAGCC CCTAGGTGGG CAGAGGCAGA CCCTCCCCAG AGCTCCTTAG GAAGAAGACA 6	
45	GACTGGTTCA TTGAATGCCG CCTTATTTAT TTCTGGTGAG GATGCATGCG TGGGGCTGCT 12	
	GGTGTTTAGA GTGGGGGCTA CCCTTNTAAA TCACTGCTAC TCAAA 16	5
	SEQ ID NO:6963	
	SEQUENCE LENGTH: 280	
50	SEQUENCE TYPE:nucleic acid	

5	TOPOLOGY:linear CLONE:HUNGSO8198 SEQUENCE DESCRIPTION: GATCACTCTN GGTCAGCTNC TCTTTCTTTA TCTNTCTTTC TCCTTTTTTA AGAAAACGAG TTAAGTTTAA CAGTTTTGCA TTACAGGCTT GTGATTCATG CTTACTGTAA AGTGGAAGTT GANCTTATTT TAAAACTTCA AGCTCAGTAA TTTTGAACAC TGNAACATTC ATCTAGGNCA TAATAACAAA GTTCAGTATT GACCATAACT GTTAAAACAA TTTTAAGCTT TCCTCAAGTT	120 180
10	AGTTNTGTTG TAGGNGTGTA CCTAAGCAGG TAAGCGTANA	280
15	SEQ ID NO:6964 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08199 SEQUENCE DESCRIPTION:	
	GATCCATATA TGTGTGCATG TCATGAAATA AAAGNATCAC ACANCACAAA A	51
20	SEQ ID NO:6965 SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	TGCCGGCCAG GCCCAGTTTC CTTGTGTGAT ACACTAATGT ATTTGCTTTT TTTGGAAATA 1	
30	I SHAMATION ATAMITOT AUTOTTICIT IGAAA	55
35	SEQ ID NO:6966 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE:HUMGS08201 SEQUENCE DESCRIPTION: GATCCAGCAT TGGGGCCACT ACACTCCAGC CTGGACCACG GAGCGAGACT GTCTCAAA	58
40	SEQ ID NO:6967 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08202	
45	SEQUENCE DESCRIPTION: GATCAGGCTT CAGGATAGCC CAGCACTGAG GACATCTAAA ACAGTCTTCA TTTATTTATT	60 11
50	SEQ ID NO:6968	

	SEQUENCE LENGTH: 39				
	. SEQUENCE TYPE:nucleic aci	id			
5	TOPOLOGY: linear				
5	CLONE: HUMGS08203				
	SEQUENCE DESCRIPTION:	1 D D D 1 D 1 D 1 D 1 D 1 D 1 D 1 D 1 D			
,	GATCATGACA AAGAAGATTA AAA	ATTTCATT AGCATGAAA			39
10	SEQ ID NO:6969				
10	SEQUENCE LENGTH: 90				
	SEQUENCE TYPE: nucleic acid	id			
	TOPOLOGY:linear	v			
	CLONE: HUMGS08204				
15	SEQUENCE DESCRIPTION:				
	GATCAATTGT ACCCCATACC TCAC	AGCATCAT GCAATATAAC	CATTAAGAGA	CCTGCACATG	60
	TATTCCCTGA ATTTAAAATA AAAG	AGTTGAAA			90
	SEQ ID NO:6970				
20	SEQUENCE LENGTH: 315				
	SEQUENCE TYPE: nucleic acid	d ·	•		
	TOPOLOGY: linear	-			
	CLONE: HUMGS08205				
25	SEQUENCE DESCRIPTION:			•	
	GATCATTGCA GTCTCTGGCT TTTT	TNACTCC AGGCGGGCTC	CGTGCCCTCC	GGGGCCTCTT	60
	CTTCCTTGTN AGGCCAGTGG GAGC				
	GGGATTCTCT GTGGGGGAAG CTTC				
	AGTGTTATTT NCTTTTAAAT CATC	CTGTGCT CCTTCAAAGA	CGACGTAAGA	AGCTTGTGCC	240
30	CTGGCGTTGC AGAAATCTCT GGCT	TGTAGGG ATTAAACCTA	CATGTCTTCC	TGATGGGGTG	300
	GTGAGGACGT AAACN				315
	SEQ ID NO:6971				
35	SEQUENCE LENGTH: 262	•			
30	SEQUENCE TYPE: nucleic acid	d			
	TOPOLOGY: linear	_			
	CLONE: HUMGS08206				
	SEQUENCE DESCRIPTION:				
40	GATCACCTGA GGTCAGGAGT TCAC	CGACCAG CCTGGCCAAC A	ATGGTGAAAC (CCTTCTCTAC	60
	TGAAAATACA AAAATTAGCC AGGT				
	GGCTGNGGCA GGNGAATCAC TTGA				
	ACCAGTGCAC TCCAGCCTGG GTGA				
45	AAAAAATTGC AGCTGCNGGA AA				262
	SEQ ID NO:6972				
	SEQUENCE LENGTH: 118				
	SEQUENCE TYPE:nucleic acid	d			
50	TOPOLOGY: Linear	-			

5	CLONE:HUMGS08207 SEQUENCE DESCRIPTION: GATCTTGCAG GTCTAGTATT TN CTGTTTCTNC TCTAAGGGTT TA				60 118
10	SEQ ID NO:6973 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS08208	cid			
15	SEQUENCE DESCRIPTION: GATCTGAGTA TTCCCCAAGG GC TTGCAGTTAT GTGACTTAAA GT GCAATGAAGT AAATATATCA AT	GACTCAGA GATATCTATG			60 120 152
20	SEQ ID NO:6974 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic ac. TOPOLOGY:linear CLONE:HUMGS08209	id			
25	SEQUENCE DESCRIPTION: GATCCTCCTG CTTTGGCCTC CCA CCTGNTACTG ATTTTAATNN CTT TGGTTTTATC AAAGAACTGA AGA ATTATACTGT AAAGTTTGAC AGT GTATTTNTTG ACCTCTTACT GAT	TGCGTTAT CACATAGTGT NTGAGAAT ACTGGTCATC TCTCATTT TATCACTGCG	TGTATTTGAA TAACTTTGTA TTTGTATCTA	ACATAGTTCA ATTTGATTTG TNACTAAANT	180
30	SEQ ID NO:6975				
35	SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear CLONE:HUMGSO8210 SEQUENCE DESCRIPTION:	id			
40	GATCCTGTCA CCCAGGTAGT GAG CTGTGCTAGC CCACTCTGGG TCA CCCATTTGAC AGATGCAGAA AGA TTTCCCGGAA GCTTTTCCTG GTG CTATTACTCT GTTTCCACAG TGN N	ATTTAATC CTCTCCTAAG AGGTTCCA CAGGTGTGCN GTGGGCGC TTCTAACCTA	AAGAGAGGAG TTGATTCTNT ATCCTCAATC	ACACAGCGTC CCTAAAACCG GNTTCCAGNA AGTTCNATTT	120 180 240
45	SEQ ID NO:6976 SEQUENCE LENGTH:264 SEQUENCE TYPE:nucleic aci	i d			
50	TOPOLOGY:linear CLONE:HUMGS08211				

	SEQUENCE DESCRIPTION:	
	GATCCTTCCG ACTTGGCCTC CCAAAGTGTT GGGATTACAG GCATTAGCTA CCACACCTGN 6	0
	CCAAGGCCCA GGTTTCGACA GAAAGGGAGA GAAAACCTGC CAGAGATGCC ATTTCGGAGC 12	-
5	CACTCTGCTT GGCAGGGACC TGTGTTCCCC TCATGCAGGT TCATCCTTAG AGGGCTGCGG 18	
	TCTTATCTGG TTGTGCAAAA GTCCCACAAC CTTTCTGGAT TGATAGTTTG TGGTGAANNT 24	
	AAACAATTTT AGTTTGTTTG GAAA 26	
	SEQ ID NO:6977	
10	SEQUENCE LENGTH: 318	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08212	
15	SEQUENCE DESCRIPTION:	
	GATCAGAACT ACAATTACAA CCAGCATGCG TATCCCACTG CCTATGGTGG GAAGTACTCA 60)
	GTCAAGACCC CTGCAAAGGG GGGAGTCTCA CCTTCTTCCT CGGCTTCCCG GGTGCAACCT 120)
	GGCCTGATGN AGTGGGTGAA GTTTTGGTAG GCAATTTCTT GCAACCACCA CCGNGGCCCC 180	_
20	GNAAAGCACT GGTCGTNAGG GAGCTCCTNN CCTTGGCCCN CACGCCTGTG CCAGCCCTGG 240	
20	NCCCGNCTGC CACACCTCTG TTTCCTANGG CTGGGGACNC AGATTGTNTC TCCTTNTTTC 300)
	TTNCNACTGC AATGTGCN 318	3
	SEQ ID NO:6978	
25	SEQUENCE LENGTH: 166	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGSO8213	
30	SEQUENCE DESCRIPTION:	
	GATCATNCTG CCCCATNTCC ACGCACCCAA AACCAGCCCT CTCGCTTCTA ACACAGGGCA 60	
~	CCTGCTGGGG CTCAGGGATG TTAGGGACGA GTTCCAGNCC TGCCACTNCC CTNGGGCGAC 120	
	CCCTCNCTGT CCCTGCCTCC CTGCTCTGCC GCCCCTNTTN CTGGAN 166	i
35	SEQ ID NO:6979	
	SEQUENCE LENGTH: 105	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO8214	
40	SEQUENCE DESCRIPTION:	
	GATCCGATAC AGATTACATT TCTTGCCAGA GAGTGTTGCT GTTGTTTCTT TAGGTAAGTG 60)
	TGTATTGGTG ATTCCATAAT AAAAGCAGTA ACAATAACTA CCAAA 105	į
45	SEG ID NO:6980	
	SEQUENCE LENGTH: 233	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08215	
50	SEQUENCE DESCRIPTION: .	

	GATCAGATAC ATGAACATGT CTTACATGGG TTGCTGTATT TAGAATTATA AACATTTTTC ATTATTGGAA AGTGTAACGN GGACCTTCTG CATACCTGTT TAGAACCAAA ACCACCATGA CACAGTTTTT ATAGTGTCTG TATATTTGTN ATGCAATGGT CTTGTAAAGG TTTTTAATGN	
5	SEQ ID NO:6981	233
10	SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08216	
15	SEQUENCE DESCRIPTION: GATCTTTCCA GAGGTCCATG GTGGAAGACG ATAACCCTGT GAAATACTTT ATAAAATNTC TTAATGTTCA AA	60 72
20	SEQ ID NO:6982 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGSO8217 SEQUENCE DESCRIPTION:	58
25	SEQ ID NO:6983 SEQUENCE LENGTH:280 SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear CLONE:HUMGSO8218 SEQUENCE DESCRIPTION:	
35	GATCTCCAAC AGCCAGTGTG TGTTTCCCAT CTCTTGTAGG TTCCATCAAT GGTGAGCACC AGCCTGAATG CAGAAGCGCT CCAGTATCTC CAAGGGTACC TTCAGGCAGC CAGTGTGACA 1 CTGCTTTAAA CTGCATTTTT CTAATGGGCT AAACCCAGAT GGTTTCCTAG GAAATCACAG 1 GCTTCTGAGC ACAGCTGCAT TAAANCAAAG GAAGTTCTCC TTTTGAACTT GTCACGGATT 2	80
		80
40	SEQUENCE LENGTH:311 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08219	
45	SEQUENCE DESCRIPTION: GATCCAGAGA CTCGTGCTGT CTCTTTGTCC CTTTCCTGAT GGTGTTACTT CGATTAACTA CTTCAGCTTG GTGTAAAAAT TGCCAAAGCA GTTGCCTGCC ACAACTTTGT AAAAGCCAAA 1 AAGGAGGTTG AAAATTCACA GGCTGCCCGA AAAAAGANGA AACTTGCATG GGGGTTTGAA 1 GCAAAGNNGN GATGGGAAAC CNAAAGCAAC ATGGGNTACA TGTAACTTGC CAGAGTGCTT 2	80
50	CAAGACATTT GTAGCCTCAA ATGCTCAAAT TTANTGNGAA TGTTTTCCTG CCTATGTTCA 3	

	TATGTCAGGT N	311
5	SEQ ID NO:6985 SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08220	
10	SEQUENCE DESCRIPTION: GATCTGATGG TTTTATAAAG GGGNGTTCTG CTGCATACAC TCTGTCTTGC CTGCTGNCAT GCAAGATGTG ACTTAGCTCC TCCTTTACCT TCCACCATGN TTGTNAGGCC TCCCCAGCCA TGTGGAACTG TGAGTTGANT AAACCTCTTT CCTTTATAAA	
15	SEQ ID NO:6986 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE:HUMGS08221 SEQUENCE DESCRIPTION: GATCAAAAGA TAACTGCTTA TNATAGTAAG ATAACCTTGG AACAGAACTG TGATTAAAAA CCTGAATAAT AAAAAACACA CAAGACCCAT TAAAACCTAT TCCTCACTTT TTAAA	60 115
25	SEQ ID NO:6987 SEQUENCE LENGTH:331 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUNGSO8222 SEQUENCE DESCRIPTION: GATCCAGTTG GATATAGTAA CCACTGCCGA CTTNCTGGAT GTGCTAACTC ACACCAAGCC CTCCGNAAAG AATCTGGCTC AGAGATACTC AGACTGGCAA AGAGAATTCG AGTCTGTCTG AAACCACATT TACCCTGACC TGGCCACAAA GGCAACCACA AAGACCTCCT AGTTTATTAN	120
35	NGNNCGTGGG AGAACAAAAT GATTGGAATG GAAAAGAGAA AATTATTTTT GANGACTGGA TTAACTTGAG CCACTGTATT GTTTTGGNTA GCTGAGATAT ATTTNTTAAC TTTACCATTA TCGATGTCAG CAAAATATTG AGAGTTTCTT N	240
40	SEQ ID NO:6988 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08223	
45	SEQUENCE DESCRIPTION: GATCTACTCC CAGTTTTTAA CTTTTNACAG AATATTGTTG CTTTCCTACA ACAATGTACA TATATTTNCA GTTGTATATG CTTTTTTTT TNCCAAATAA AGTTTGAGTT CTAAACTCAA A	
50	SEO IN NO. 6989	

	SEQUENCE LENGTH: 151 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear	
5	CLONE: HUNGSO8224 SEQUENCE DESCRIPTION:	
	GATCCTTCCC TGGCTCTCAC CTGCTCCTTT AG	GCTGTAAT TGCTTCCTAC ACACGAAGCC 60
	TCTGATTGGA GCCTCTGGTN CATCTCAGAA AA	
10	TTCTGAATAA ACACTACTGT TTACATGGAA A	151
10		
	SEQ ID NO:6990	
	SEQUENCE LENGTH: 119	
	SEQUENCE TYPE: nucleic acid	
15	TOPOLOGY: linear	
	CLONE: HUMGS08225	
	SEQUENCE DESCRIPTION:	LONG SPAN DIVING PROPERTY OF THE CO.
	GATCTCCATA ATTTTAAGAT ACTCTATGTT AA	
20	ACGTCTGAAA TGCACGAGNG TGGCGGTTTC TG	TTTCACTG GTTTNNTTGT TCATTTTTN 119
	SEQ ID NO:6991	
	SEQUENCE LENGTH: 116	
	SEQUENCE TYPE: nucleic acid	
OF.	TOPOLOGY: linear	
25	CLONE: HUMGS08226	
	SEQUENCE DESCRIPTION:	
	GATCCCGGGC CGTTATCCAT CTGGAGGCTG CA	GGGTCCTT GGGGTAACAG GGACCACAGA 60
	CCCCTCACCA CTCACAGATT CCTCACACTG GGG	GAAATAAA GCCATTTCAG AGGAAA 116
30		
	SEQ ID NO:6992	
	SEQUENCE LENGTH: 207	
	SEQUENCE TYPE: nucleic acid	
35	TOPOLOGY: linear	
	CLONE: HUMGS08227	
	SEQUENCE DESCRIPTION:	OFFICE OF THE TOTAL OF THE TOTA
	GATCCGCTGG GACAGAGTGC CCACCGTCGT GTG TAAAAAGGGC AGGAAAAGGC ATCAGGGTAC CA:	
40	GAAAATTCCT AGCTTTGTTG GGTGAGGCAA GT	
40	TTGATAANGA TTTCGTTATC ANTTAAA	207
	TIONTAMIUN TITUUTTATE ANTIAA	201
	SEQ ID NO:6993	
	SEQUENCE LENGTH: 325	•
45	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS08228	
	SEQUENCE DESCRIPTION:	
50	GATCCTGATT GTAAGGTTTT CCACCTATTT CCC	CTGGATAT TTTNNTGGTC AGTACTGGCT 60

	CTGGTGGGTG TTCCTTGTTT AAAAGTTCGG AAGATGCCAG			•		
	TTATTAAAGA TGTTTTCTGG					
5	CAAGNGAACA CCTGCAGGAN					-
	TTAAAAAAAT ANAGTACTGT					325
	SEQ ID NO:6994					
10	SEQUENCE LENGTH: 130 SEQUENCE TYPE: nucleic	:-				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08229					
	SEQUENCE DESCRIPTION:					
15	GATCCCTCGG GNNTTAANTA	CANGAAACCT	AGAACTGACC	AAAAGGCATT	ATAACTCTGA	60
	CTCAAATACA AGGTACAGAA					
	TTATNATGNN					130
	SEQ ID NO:6995					
20	SEQUENCE LENGTH: 116					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08230	*				
25	SEQUENCE DESCRIPTION:					
	GATCATATAA CATTCCAGGT					
	AAGGTTTCAG CTGTATTAAC	ATTUTCCATC	TAATAAACTT	TATUTTUTCA	TTGAAA	116
	SEQ ID NO:6996	•				
30	SEQUENCE LENGTH: 33					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08232					
35	SEQUENCE DESCRIPTION:	77. 177. 1 1 1 A				22
	GATCAGCAAA TAAATGAAAT	IIAIIAAAAG	AAA			33
	SEQ ID NO:6997				_	
	SEQUENCE LENGTH: 246					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08233					
	SEQUENCE DESCRIPTION:	*****	10010#00#0	4 ለጥል <u>የ</u> ምምብህ ፡	***********	60
45	GATCTTTAGG CAGTTTTTAC CTGTTCTACT TAATGTTCTG					
	ATCTATCTCC TNGTCTGTTT					
	CATCANAGTC ACAGATTCCT					
	TCATNN			- · · · · ·		246

5	SEQ ID NO:6998 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08234	
10	SEQUENCE DESCRIPTION: GATCATTATG CAATAAAGCT GCTAAAGTCA CATTTGTGGT TGATACTCAA GCCTTGTACA AGCACATATC ATGTAGACAT TTTTAAATGT GAAGCTTTAA CAGGNATAGG ATAGCTGTTT 1 CAAACCTTGT GCAATTGTAA ATAANTTGTT TAGCTGTGTT TCTTTCATTT TTAATANAAA 1 NTTAAA	20
15	SEQ ID NO:6999 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08235	
20	SEQUENCE DESCRIPTION: GATCTTCATA TTAATCTTAA AATTTTGTGA CGTGTCTTTT TCCTTTTTTT CCACAGTTTT 6 AATATATNAT TCTTCAACGA CATTTTTTGT AACTTTACAC TTTTTTGGTT ATNTTATTTT 12 AAAAAAAATGA AAAATTAATT TAAAAAAATG CAAA 15	
25	SEQ ID NO:7000 SEQUENCE LENGTH:195 SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear CLONE:HUMGSO8236 SEQUENCE DESCRIPTION: GATCTGGTAC GNGGNGGACG NCATGGCCCG AGATGCCCAC GGGAACACAG CGCTGACCTA 6	50
35	CGCCCGNCAG GCCTCCAGCC AGGAGTGCAT CAACGTGCTT CTGCAGTACG GCTGCCCCGA 12 CGAGTGCGTG TAGTATCTGT TTTATTTNNC TGNAGTCTCC TTGGTGTAAA AACAAAATNG 18 GNAAAATAAG GATAN 19	20 30
40	SEQ ID NO:7001 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08237	
4 5	SEQUENCE DESCRIPTION: GATCAGGCCC TAAAACGTTG TTGTGATGAG GTTTCTTTAG CAAGTTCTTG TTTAAATTAT 6 CATTTATTTG ATGAGTGAAG TTTTTAACAT GCTTTGCTGT GTGAAATTTA AAAAAGGGAT 12 GTTTTTCCAG GCTGGAACAA TAAATGTGGC TGTGCAGTTT AAA 16	0:
50	SEQ ID NO:7002 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic acid	

5		TOPOLOGY:linear CLONE:HUMGS08238 SEQUENCE DESCRIPTION: GATCTTTGTG AAAGTAGTAC GTNACCNTGA AGCACTGGTT TTTTAAA	_				-
10		SEQ ID NO:7003 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08239	acid				
15		SEQUENCE DESCRIPTION: GATCAGCCTC CTGTCTTATG GGCCAAAATT TAGAAGATGC AAA					
20	·	SEQ ID NO:7004 SEQUENCE LENGTH:260 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08240	acid				
25		SEQUENCE DESCRIPTION: GATCTCAGCA TTACCTCTTT GGATGATTGA AGAAACAGCT TCCTGTCATC TGAGAATGAA	ATGAGAGGAT	TGGCTCCCAT	CTTTTGTNAC	TCTTGGGNCA	120
30		GTTTGCTTGT NTTTNTNAAT NCTCTATTTT AGGATNCAAA SEQ ID NO:7005	GCTAATCCTT	GTGAAANTAA	ATTGNCCAGG	CGGAAGGAAA	240 260
35		SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08241 SEQUENCE DESCRIPTION:	acid				
40		GATCTGTATT TNTATATACA TAATCATTTT AATTGGAAA	CGTGTCCGNA	CAAGTATAAC	TAAATAAAA	TTAAAGNTTT	60 79
45		SEQ ID NO:7006 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08242 SEQUENCE DESCRIPTION:	acid				
50		GATCATATTT CTGCCAAGNA	TGTGCCTTCA	ACTTTATAAT	TATAGTGTTG	TAAAATAAA	59

5	SEQ ID NO:7007 SEQUENCE LENGTH:67 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08243	acid				
10	SEQUENCE DESCRIPTION: GATCTCACTT TTNCTTATTA TGACAAA	GAATTTGTAC	CTTTGTTTGA	TTAAGGAAAT	AAAAGATGAA	60 67
15	SEQ ID NO:7008. SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08244 SEQUENCE DESCRIPTION: GATCAGTCTC TCAGTGCCTN		ACCTC ATCTC	TCC ACTT ATT	<i>CCT</i> 4 T T A A A T	60
20	TTNCTTTTTA TTTAAA	CCIACIGGGC	AUCTOATOIU	ICCACITATI	COTATTAAAT	76
20	SEQ ID NO:7009 SEQUENCE LENGTH:162 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGSO8245 SEQUENCE DESCRIPTION: GATCCACATC CCANATGCTG GCGCCTTCTG TGTGCACTGC					60 120
30	CAGGGCCAGA NACTTTGGTN					162
35	SEQ ID NO:7010 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08246 SEQUENCE DESCRIPTION: GATCGATTAA GTCTAGGAGT				GTGGGAAA	50
40	GATCUATTAA UTCTAUGAGT	IINAGACIIG	CCIGGGCIIA	GCAAGACCCI	GIGGCAAA	58
45	SEQ ID NO:7011 SEQUENCE LENGTH:275 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8247 SEQUENCE DESCRIPTION:					
	GATCCTTGAG TCTCCNCTCT CGACTCCACC CNNCCATGGC					
50						

	TGGAGGTTCT TCCCAAGCTG CATCTGCCAA CTCCAGCATC CTTATGTANT TAAAGGTTGA	TCTGGNGGGG	NTCCACGNTG			
5	CITATUTANT TANAGUTTUA	AIGGCACAIC	AIAAA			213
10	SEQ ID NO:7012 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08248	acid				
15	SEQUENCE DESCRIPTION: GATCAAGACC ACCCTGGCTA AGCCGGGCAT GGTGGCACAC NGNN					60 120 124
20	SEQ ID NO:7013 SEQUENCE LENGTH:215 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08249 SEQUENCE DESCRIPTION:	acid				
25	GATCANGAGC CCTTTTNCTC GATGCAATTT GATATTTTT TTTTCTAAAT TCATCTCCAT NGGCCATACT GTGTGTTTGT	CATAATCTAT TAAAACTTGC	ATTTAAACAA CTTAAGCTAC	AATTACATCA	TTGCATCATC	
30	SEQ ID NO:7014 SEQUENCE LENGTH:373 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35 .	CLONE:HUMGS08250 SEQUENCE DESCRIPTION: GATCTCTCAG GGATAGAAGA CCAATTCAAG TACAGATTTC	AACACATCTT	CAACACTATG	TGAAGGGTTC	ACATCTTAAC	120
40	CTGTGCAATT CAGATTGATA GAAAATCCCA CTNNGTTTTT CATAGAAATT GTATGATGAA TTTTTGTTG TTTTGTTATT GTTACTAANA GTN	GATGAACAGT ATTTTNCGNN	TTGAACAGTT GGTTCTTGGT	TTCTGTAATC GCTGTTTTGT	AAGCAGCTTG TCTTTTTTTG	240 300
45	SEQ ID NO:7015 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8251	acid				
50	SEQUENCE DESCRIPTION:					

5	GATCCCAACC TGGACCCACT CATGAACCCT CACATCCGCG TGGGCCCCTC CTNAGCCCCN 60 TTGCTTGTGG CTAGGCCAGC CTAGGATGTG GNTTCTGTGG AGGAGAGGCG GGGTAATGGG 120 GAGGCTGAGG GCACCTNTNC ACTGCCCCTC TNCNTCAAGC CTAAGNCACT AAGACCCCAG 180 ACCNAAAGCC AAGTCCACCA GAGTGGCTGC AGGNCAGGN 219
10	SEQ ID NO:7016 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08252 SEQUENCE DESCRIPTION:
15	GATCGCTTGA ACCCATAAGC TGGAGACCAG CCTGTGCACA TGGTGAGACC CTGTCCCTAC 60 CAAAAAAAAT AAAGTCATTA GAGTTTTTAA A 91
20	SEQ ID NO:7017 SEQUENCE LENGTH:176 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08253 SEQUENCE DESCRIPTION:
25	GATCTGATGG TNTTATAAGG GGCTTCCCCC TTCACTCAGC TCTCATTNTT CTCTCCCTG 60 CCACCATGTA AAGAAGGATG TGTTTGGTTT CCCTTCCATC ACGATTGTAA GTTTCCTGAG 120 GCCTCCTAAG CCATGTGGAA CTGTGAGTCA NTTAAATCTC TTTACTNTAT NNNGNN 176
30	SEQ ID NO:7018 SEQUENCE LENGTH:174 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08254
35	SEQUENCE DESCRIPTION: GATCATCACT TACCCACCCC CCAAGTTCAA GACCAAATCT TCCAGCTGCC CNNTTCGTGT 60 TTCCCTGTGT TTGCTGTAGC TGGGCATGTC TCCAGGAACC AAGAAGCCCT CAGCCTGGTG 120 TAGTCTCCCT GACCCTTNTN AATTCCTTAA GTCTAAAGAT GATGAACTTC TAAA 174
40	SEQ ID NO:7019 SEQUENCE LENGTH:45 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08255
4 5	SEQUENCE DESCRIPTION: GATCCTCCCT TTCCTATAGN GNTAAAAGTG ATTTATCTTG GCAAA 45
50	SEQ ID NO:7020 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic acid

5		60 09
10	SEQ ID NO:7021 SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS08257 SEQUENCE DESCRIPTION: GATCCCACTG AGGCCAGAGA ATAGGGTCTG GAGACAAAGG AGCATTCACT TCAGCCTCTG (ACTGGTGGCA GGCCAAGTNT TTATTTACAT AGGGTGTAAC CAAATAGGAA ACCTCTAAAG 12	
20	GGTACTTAAA CCCCAGATTT INTACACAGG GCACTTGCTT GAGCCTCATC CCGCTTTCTG 18 GAATGTACTT TTGCTTCAAT AAATCTGTGC TTTTGTTCCT TCAAA 22	80 25
25	SEQ ID NO:7022 SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08258	
30	TCGTCCTGAC CTGTCTCAAC TAGACTTGCT CCTGCAACCA CCATGGGGGT TTTGCATTTA 12 CATTTGTGGA CCATGTTACA GTTAAGAAAA ATCCTGTTTC AGTCCTTATA TGTAATAAAA 18	
35	SEQ ID NO:7023 SEQUENCE LENGTH:170 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08259	
40	GTTTCCCCGC AAAGGCCGGG GNCTCCCTAG NTCAAATTTC CAATCTCATN AGCAGGTGNT 12	60 20 70
45	SEQ ID NO:7024 SEQUENCE LENGTH:84 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08260	
50	SEQUENCE DESCRIPTION: GATCAAATGT AAATNTTTTG AGGATATTTT NCTTGTTTTT NAAAATCAAT TTTTAACCAA 6	60

	ATATTAAACC CTTTATTTGC	CAAA				84
5	SEQ ID NO:7025 SEQUENCE LENGTH:246 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08261	acid				
10	SEQUENCE DESCRIPTION: GATCCACCAC TGGNCTCTCC TGACTGATGG ATGGGTAGTG GCCCTGCTAC TGCAGCTTTG AGGGTTGTGC CCAGCTGGGC CCCAAA	GGCTGAGAAG CCGCTGAGTG	AGGGGACTAG TAGGAAAAAC	GAAGGGCTAT AGGCATGACA	TCCAGGCTCA GACCAGGGTG	120 180
75						210
20	SEQ ID NO:7026 SEQUENCE LENGTH:45 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08262 SEQUENCE DESCRIPTION:					
25	GATCAGTCTT TATNAATAAA	ACCTGTTCTC	TTTAATCAGC	TTAAA		45
30	SEQ ID NO:7027 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08263 SEQUENCE DESCRIPTION:	acid				
	GATCAGACTG NTAACCTTAA					60
35	AACATTAAAG TTCCAAAACA ATGCAGAGNA TTATGTACCT GGNNCN					
	SEQ ID NO:7028					
40	SEQUENCE LENGTH:271 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08264 SEQUENCE DESCRIPTION:	acid				
45	GATCTCTTGG TAACAATTGA TGTTANTCTT TCAAGTAGTT GTCTTACTCT TGAGTCATTT AAAATCATGC TTTGACAATG TGACTNNTNN CNTTNTAAAG	GTAAATAATC AGTAGCATTG NAATTTACAT	TCTTTTTCTC ATATGGTACC ATTGCCTCAC	ATATAAACGG AAGTTGTATA	AATGCATAAT GCAGTGTAAC	180
50						

5	SEQ ID NO:7029 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic acid	
J	TOPOLOGY:linear CLONE:HUMGS08265 SEQUENCE DESCRIPTION:	
	GATCAAATCA GGGTAATTGG GTATCCATCA CCTCAAACAT TTACCATTTC TTTGTGTTGG	
10	GAACATTCCA TATCTTTTTT TCTAGCTGTT CTGAAATTTG CTATACGTTC TTTTAACTAA 12	
	AGGTCCCTTG CTGTGTTATG GAACACTGGA ATTTGTTCCT TCTGTTTAAC TGTATTTTTG 18	
	TACCTATTAA CCAACTTCTC TTTATCCTCC CCCGTCCTCT ACCCTTCCCC AGCCTGTGGG 24	
·	AATCACCCAT NCTACTCTCT GCCTTTATGA GATTTACTTN TTTNATCTCC CNATATAANA 30)(
16	N 30)]
15	SEO ID NO. 7020	
	SEQ ID NO:7030 SEQUENCE LENGTH:117	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUMGS08266	
	SEQUENCE DESCRIPTION:	
	GATCGTAGAA ACACAGAATG GGACTGGGGA AGCCCTTTGG AAATCCAGCT GCAGAAACAG 6	٠.
	ACACCCCAAT GCTATTTACA TACAGCTCTA TATATATAAA AAAAGNAAAT ATGNAAA 11	
25	HONOGOLIN GOMETHON THOUGHT INTHINAN MANAGEMANT ATGENAN	
	SEQ ID NO:7031	
	SEQUENCE LENGTH: 297	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS08267	
	SEQUENCE DESCRIPTION:	
	GATCTCACCA GGGCCCAGTC ATATATGCAC AGTTAGACCA CTCCGGCGGA CATCACAGTG 6	0
	ACAAGATTAA CAAGTCAGAG TCTGTGGTGT ATGCGGATAT CCGAAAGANT TAAGNGAATA 12	0
35	CCTAGAACAT ATCCTCAGCA AGAAACAAAA CCAAACTGGA CTCTCGTGCA GAAAATGTAG 18	0
	CCCNTTACCA CATGTAGCCT TGGNGACCCA GGCAAGGACA AGTACACGTG TACTCACAGA 24	0
	GGGAGNGNAA GNTGTGTACA AAGGNTATGT ATAANTNTTC TNTTTAGTCA TCCTATN 29	7
	and in the good	
40	SEQ ID NO:7032	
	SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08268	
	SEQUENCE DESCRIPTION:	
45	C. Bornaga . Com. C. Bro. Bro. Bro. Bro. Bro. Bro. Bro. Bro	8
	SEQ ID NO:7033	
50	SEQUENCE LENGTH: 103	
50	SEQUENCE TYPE:nucleic acid	

	TOPOLOGY:linear CLONE:HUMGS08269 SEQUENCE DESCRIPTION:	
5	GATCTATTTG GCCTCTCAAA TNAACTNAGA TTCCTGTTAA AAAAGATTGA TGTTATTGTC TCTTGTAGAG GAAACTAATA AAGTGTGTGT ACCTNTGTGN AAA	60 103
10	SEQ ID NO:7034 SEQUENCE LENGTH:265 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGSO8270 SEQUENCE DESCRIPTION:	
15	GATCAAGAGT NATGGGCCTT GGAGGCCCTTG CCAGCCCAGC CCACCTGTNA GGAGGCTGCC CATCCCCTCT TTNAGGCCAC CCTGTGTCCT CTCCCCTGCC TCTGCCCAGA GCTCCAGCCG GAGTGTCTTG CTGCTCAGAC CCCTCCGAGG TCCAAGTCCT GTCCTGCCAC TCAGCTCCCN	120
	CTGCACCCCA GAAGAAACGC AGGGTGCGGT TGCATTTGAT TTCAGATAAA CAACAACTTC TTAGTAAAAT NACCTNCCCA CTAAA	
20		
	SEQ ID NO:7035 SEQUENCE LENGTH:46 SEQUENCE TYPE:nucleic acid	
25 .	TOPOLOGY:linear CLONE:HUMGSO8271 SEQUENCE DESCRIPTION: GATCAATCTT GANGTGAAAT ATTTCCAAAA TAAAATTCTA CAGAAA	
	UNICARICII GANGIGAAAI AIIICCAAAA IAAAATICTA CAGAAA	46
30	SEQ ID NO:7036	
	SEQUENCE LENGTH: 254	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGS08272	
35	SEQUENCE DESCRIPTION:	
	GATCTTTGCA TAGAATGTCA AGCTAACCAG GCGTCCGNTA CTTCAGAAGA GTGTACTGTC	60
	GCATGGGGAG TCTGTAACCA TGCTTTTNAC TTCCACTGCA TCTCTCGCTG GCTCAAAACA	
	CGACAGGTGT GTCCATTGGA CANCAGAGAG TGGGAATTCC AAAAGTATGG GCACTAGGAA	
40	AAGNCTTCTT CCATCAGGNG TTAATTGTTT TGTTATTCAT TTAATGGCTT TCCCTGCTGT TACCTAATTA CATN	
	INCOMMITA CAIN	254
	SEQ ID NO:7037	
45	SEQUENCE LENGTH: 222	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear CLONE: HUMGS08273	
	SEQUENCE DESCRIPTION:	
50	GATCATTGAG AAAGTGTTTG AAACTTTCTC ATGAAGTGTA TATATAATGG CGTGAAAAAT	60

5	TCCTTTGGAA AAATNTATGT NCCTTTCATT TTGCCCAAAT TGCAAATTTT CAGCATGGNT GTGAAAAGCA TTAAAATTAT AACTTTGTGT ACANGATGAA AATAATTCAC TAAATTTGCC CTTTTTTACA CAAAATAAAA TGTTAANGTT ANNGCTGGNA AA	
10	SEQ ID NO:7038 SEQUENCE LENGTH:32 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
70	CLONE:HUMGS08274 SEQUENCE DESCRIPTION: GATCAAATGA CANTAAATCA TTCAAAATCA AA	32
15	SEQ ID NO:7039 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE:HUMGS08275 SEQUENCE DESCRIPTION: GATCACCCAG GTACANCATG CTCTATATCC ATGCGGCCCT AGAAACCCAA GGAACATATA CAACCACTCT TGTGTCCCTC CTTATAACCN CAGNTTTATN CNAGAAGTN	60 109
25	SEQ ID NO:7040 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUMGS08276 SEQUENCE DESCRIPTION: GATCACAAAT TGGTGCATTC TTAACTGTGG ATAATTATGT ATGAAGCCAA ATTGTAATAA AACTGTTATT TGCCAAACAT AGAANCCTTG CTTCGTGACT AGGCTGAGCC CAGAGTGTTA 1	60
35	TTCTCTTCTT CTGCCTGTNA TGTATCTGGG CAATTTGTAG GGCCTTTGCA GGTGAATCCA 1 GTAGAGAACC ATGCTAAGAN TGNGCAGCAG TCATGCATGC CTGTATCATT GAAAGCCTTC 2 CTNGCCATTT TNNCAGCTTC ACCTTNCGTG GTTTTTATTT TTTCCAGAGG GGGCCTGGGG 3	180 240
40	SEQ ID NO:7041 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08277	
45	SEQUENCE DESCRIPTION: GATCCTCCTC CCTAAGCGCT TATCTTGGTG CTTCCAGCTC AGTCTGGCCA ATTCCACCTC TATGAGATAA GGAGGGTTCA GAGAACCCAG TCACTTTGCT GTTTTTCTGC NCACAGAGTT 1 TCTCTAATAA ATCTTATTCT ATGTCTACAA A	60 120 151
50	SEQ ID NO:7042	

5	SEQUENCE LENGTH:138 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08278	acid				
10	SEQUENCE DESCRIPTION: GATCACATTG TTTGACCCAG CTAAATATGG TGTGATATGA ANCTAATTCA CTAATAAA					60 120 138
15	SEQ ID NO:7043 SEQUENCE LENGTH:300 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear CLONE: HUMGS08279 SEQUENCE DESCRIPTION:					
	GATCTGTCAA CAGGTTAAGT					
20	CTTGGTGGTC CCGAAACGGG TGTCTTGGGC AATCTNAGGC					
	GGAGGTGGGT GGGGCCTTCT					
	CCATCCCCTA CTCCCACTGN					
25	SEQ ID NO:7044 SEQUENCE LENGTH:90					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08280					
30	SEQUENCE DESCRIPTION:					
	GATCTCATTC CATGGGAAAA	AAAAAATCC	TGTCTTGTTC	ATAAATTGAC	AATGTCACTA	60
	AATAGAAATA AAGTGCACAN	TAAATGNAAA				90
35	SEQ ID NO:7045					
	SEQUENCE LENGTH: 175					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS08281					
40	SEQUENCE DESCRIPTION:					
	GATCTNAGTT AGACATCACC	ANTGGAAATC	GATTGGAATA	GAAACTTAAA	GGAAATGGAA	60
	CCCTGACTAT TCTCCCATCA	AATCATATAT	GTTGACCTGT	CTGAATTATA	AACCAGCCTG	120
	ACCTTTCCTT TAGCATTAGA	TGTAATAAAA	TAACTTTGGA	AATTTGTNAT	TTAAA	175
45	ana in no doid					
	SEQ ID NO:7046 SEQUENCE LENGTH:190					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	GUIG				
50	CLONE: HUMGS08282					

	SEQUENCE DESCRIPTION:					
	GATCCTCAGG ACTGACCAGT	TAGCTGGCAG	GTTGTNCAGC	TTTTAATTCC	AGTCATAATA	60
	GGTGACAGTG TTAACCGTGA	AANTTTGNGA	GGCACTNTTG	NCCTCTTCCC	TATAAAAATC	120
5	ACACAAGCGT GNTTTTACAA	AGGGTCCCCG	TGGGAACCTT	NGCTTAAGGA	CCCTTTGNCC	180
	CNTCAGTTAN					190
	SEQ ID NO:7047					
	SEQUENCE LENGTH: 147					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear			-		
	CLONE: HUMGS08283					
	SEQUENCE DESCRIPTION:					
15	GATCCTCAGG ACTGACCANT	TAAGCTGGCA	GGTTGTCCCA	GCTTTTTAAT	CCCAGTCATA	60
	ATAAGGTGAC CAGTTTTAAC					
	AATNACACNG GGGGGTTTTA					147
	SEQ ID NO:7048					
20	SEQUENCE LENGTH: 223					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08284					
25	SEQUENCE DESCRIPTION:					
20	GATCCATCTG CCCTCATAAA	AGTGTTCAGG	TACAGCAGCT	GAGGCTGCCC	TGAGNAATCA	60
	AGGGGCCATT ACCAAGGGGC					
	TGACCCAAGA ACTACTCCAN					
	TTTGACTTCA CCCTGTTTGT					223
30						
	SEQ ID NO:7049					
	SEQUENCE LENGTH: 56					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
00	CLONE: HUMGS 08285					
	SEQUENCE DESCRIPTION:					
	GATCTCCTCC CTNGTTTAAA	TGTCAATAAA	TGCCCCAACT	GCTTTGTAAG	TGCAAA	56
40	SEQ ID NO:7050					
	SEQUENCE LENGTH: 107					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUNGS 08286					
70	SEQUENCE DESCRIPTION:					
	GATCACCTTA AAATTATTTN	ACGNACTGNA	GNCAATNAAG	TCCGTTATGT	TTAGAGTAGA	60
	AAATGTTTAG GTTAAAGAGC	ATCTGTCAAC	AGAATCTACA	AAAAAGN		107
50	SEQ ID NO: 7051					

5	SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08287	acid				
10	SEQUENCE DESCRIPTION: GATCCAATTN CATNNGCGGC CACTTACGTC AAGAAGGTCC NTGNN					
15	SEQ ID NO:7052 SEQUENCE LENGTH:276 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08288	acid				
20	SEQUENCE DESCRIPTION: GATCCAAGAA ACGNANGACA CTCAAGNACT CCCTGCGGCA CACGAGAGCG TGCTCTTCAA CAGAAGAAAC AGGCCCTGCT CAGTGCCTCA AGCTGGCCTA	GCTNGAGGCC CCTGACCACC GGNGGCTGTC	ATGGTCCAGC ATGTACGAGC GNCGGCAAGG	AGGACCCCAG TGGAGTCCTC	GCACTACCTG ACGGNGCATG	120 180
25	SEQ ID NO:7053 SEQUENCE LENGTH:209					
30 35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8289 SEQUENCE DESCRIPTION: GATCGAGTTT ACAGTTGTGN GAAGACCTTT CTAGGNGTTA CTATTTGACA ACTCTACGNG GGNAAGGCAA ATAAATTTNC	NNTCTTGAAG TCTGGTTCTA TTGTAGNAAA	GAAGGGTCTA	TACTTGTCCT	TGTCTTTAAG	120
	SEQ ID NO:7054 SEQUENCE LENGTH:126					200
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08290 SEQUENCE DESCRIPTION:	acid				
45	GATCTCATTT TCAGTTTAAG GAAGCTTAAT GGAATTATNG TGNAAA					
	SEQ ID NO:7055 SEQUENCE LENGTH:276					
50	SEQUENCE TYPE: nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGS08291 SEQUENCE DESCRIPTION:					
5	GATCGCACCA TTGCACTCCC	ACCTGGGCAA	CAAAGAGTGA	AACTTGGTCT	CAGAAACGAA	60
	ACAAAACACA AAAACCTTTC					
	TGTGTGTCAT TCCGTTGCGT					
	TTAATATGTG GAAACCCCTC	CATGCTTTCC	AAAGCCTACA	AGTACAGCAG	CCCCNAGTTT	240
10	AGGGTGNGCA GCAGTGGTCA	GAGCTCTTTN	CTANTN			276
	SEQ ID NO:7056					
	SEQUENCE LENGTH: 276					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS08292					
	SEQUENCE DESCRIPTION:					
	GATCTCCAGG AGTCCCCTGC					60
20	CCGTGACACC CGGTTTATTA					
	CTTTAAGGAG CAAATCACTT					
	CTTCACAGAC TGAGTCTCCA			GTAAACCCCA	AACTTGTACA	
	CAAANGNAAG CACAGATTGT	TTACCTGTTG	TGGAGN			276
25	SEQ ID NO:7057					
	SEQUENCE LENGTH:167					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS08293					
	SEQUENCE DESCRIPTION:					
	GATCCCTGTT ACCCAGAGAA					60
	ACATATTTGA TAGTTGGTGT				GATGCTCAGG	120
	CTTGAAATGC ATTATTNNGA	ATGTGAAGTA	AATACTGTAC	CTTTAAA		167
35	SEQ ID NO:7058					
	SEQUENCE LENGTH: 69					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
40	CLONE: HUMGS08294					
	SEQUENCE DESCRIPTION:					
	GATCACATAC CCTTCTTTA	AGTGAATTTT	TTTCATTTGA	TTTGTCAATA	AACGAATCAA	60
	ACTGGNAAA					69
45	CEO ID NO. COCO					
	SEQ ID NO:7059					
	SEQUENCE LENGTH:222 SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS08295					
	CEOURE. NUMUSVOCES					

5	SEQUENCE DESCRIPTION: GATCTCCCTG CCTGGGCTGG GGAGGGCGCT TCACTGAGGT TTTTGACTAG ACCATTCAAA AATACAGGCC CTTAGGCTCT	GTGAATTGTA GCTACCCGAA	CGTACAGGCT CTATGTTGGA	TTTTATATAC AATTTTTTT	CAAAAGTATT	120
10	SEQ ID NO:7060 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08296	acid				
15	SEQUENCE DESCRIPTION: GATCAAAATA CCTGTTTATA ATTTTCCAGC GTTTCTTAGN AGTAAAGGGC AANTGCGTTT	ACATTTGGGN				60 120 145
20	SEQ ID NO:7061 SEQUENCE LENGTH:20 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	,			
25	CLONE: HUMGS08297 SEQUENCE DESCRIPTION: GATCTTCCAA AACACACAAA					20
30	SEQ ID NO:7062 SEQUENCE LENGTH:227 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08298	acid				
35	SEQUENCE DESCRIPTION: GATCAATCAA GAATAATTTT GATTAAAAAA ATTTCCTATA TATAGAAAGC ATGTATTCTT ATTTGACCAA ATTATTCCAG	ACTGCTAAAC GATTTTNGTG	AGTTAAAANC CCTTGGTAAA	TTTAAAGTAG GTTGATAACT	TAAATGAGTT	
40	SEQ ID NO:7063 SEQUENCE LENGTH:209 SEQUENCE TYPE:nucleic	aaid				
45	TOPOLOGY:linear CLONE:HUMGS08299 SEQUENCE DESCRIPTION:		·			
	GATCACACCA CTGCATGCCA AAAAAGTAAA AATTGCATGT CAACTGTAAT TTCCTAGCAG	AAGTTGACCC CATTTTGTGT	GCACTATTCA	AATTTGTGGT	GTTCAAGGTT	120 180
50	AATCCCTAAA TTACAACTTT	GACATCAAA				209

5	SEQ ID NO:7064 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY:linear CLONE:HUMGS08300 SEQUENCE DESCRIPTION: GATCGACTGA GCTCAAATTT CAGTTGGGGC CCTATTAGTC TGCCTTTCCA AAAAGGGCGT	
10	TGGGACTITA ATTTAAAACT TAACCAGTTG AAAAATAAAG GTGGCGTGGA AATGCTTTTT 1	
15	SEQ ID NO:7065 SEQUENCE LENGTH:223 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGSO8301 SEQUENCE DESCRIPTION:	
20	CCTGGAACGG AGAAGGCAGC TGACGGGGAT TGCCTTCCTC AGCCGCAGCA GCACCTGGGG 12 CTCCAGCTGC TGGAATCCTA CCATCCCAGG AGGCAGGNAC AGCCAGGNNG AGGGGAGGAG 18	
	TGGGCAGTGA AGATGAAGCC CCATGCTCAG TCCCCTCCNA TNN 22	23
25	SEQ ID NO:7066 SEQUENCE LENGTH:260 SEQUENCE TYPE:pucleic acid	
30	TOPOLOGY:linear CLONE:HUMGS08302 SEQUENCE DESCRIPTION:	
	GATCGGAGAC ATCCTGCTGT TCGGNACGTT GCTGATGAAT GCCGNGGCGG TGCTGAACTT 6 TAAGCTGAAA AAGAAGGACA CGCAGGGCTT TGGGGAGGAG TCCAGGGAGC CCAGCACAGG 12	20
35	TGACAACATC CGGGAATTCT TGCTGAGCCT CAGATACTTT CGAATCTTCA TCGCCCTGTG 18 GNACATCTTC ATGATGTTCT NCATGATTGT NCTGTTCGGC TCTTGAATCC CAGCGATGAA 24 ACCAGGAACT CACTTTCCAN 26	
	SEQ ID NO:7067 SEQUENCE LENGTH:154	
40	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08303	
	SEQUENCE DESCRIPTION:	
45	CTGAAGTCAG TTATTCATCA AGAATGCAAT TAGNCTAATT GTGAATAAAT GATTGNNTGA 12	50 20 54
	SEQ ID NO:7068	
50		

5	SEQUENCE LENGTH:29 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08304	
	SEQUENCE DESCRIPTION: GATCAATAAA ATGTGATTTT NCTGATAAA	29
10	SEQ ID NO:7069 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUNGS08305 SEQUENCE DESCRIPTION: GATCGTCCCA TCACAGTGTT GTTAATGTTT GCTGTATTTA TTAATTTNCT TAAAGTGAAA TCTGAAAAAT GAAA	A 60 74
20	SEQ ID NO:7070 SEQUENCE LENGTH:264 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS08306 SEQUENCE DESCRIPTION: GATCTGGCTT CACAGACAGT TGACACATCT AAAAGAATCT TTGTTTCCAA CTGGACTGAC TCATTGAGAG GAAACCTTCA CTGCACCTCA CCAGTGCAGA CAGAAGACCT GGAGGCAGGA CGGGAGGCAT TTTATACTTC AGCACGATAT GGGCCCTGAC TTTTCATTTT CTACATGGAG	120
30	ACATATTGCT GGAGGCTCAT CATCCTGAGG GGAGAAACAT GGATTTCATG GTTTTGCCAT AAAAGTATGC AACAAAGAGT TCCN	
35	SEQ ID NO:7071 SEQUENCE LENGTH:27 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08307	
40	SEQUENCE DESCRIPTION: GATCANTAAA AAAAATAAAT AATTAAA	27
45	SEQ ID NO:7072 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08308 SEQUENCE DESCRIPTION:	
50	GATCTNTTTT NTCTGGAGTC CTGGAGTTNC TTTCCTAAGG TTTAATATAA GCAAGCNCCA GAAAGAATGC TGACAGAAAA GGGACCCTAG CTGTGGTAGG AAGTGGCCCT CAGAGTCAAG GAGGCAGGAT GANTTTAAAT NCTNCATGTA GGGCATATTT TGGGGAGTNA TGGGN	120

	SEQ ID NO:7073 SEQUENCE LENGTH:281 SEQUENCE TYPE:nucleic	acid				
5 .	TOPOLOGY:linear CLONE:HUMGS08309 SEQUENCE DESCRIPTION:					
10	GATCGACTTT AAGTTGCTTC GTGAAGTTCA AGAAAATTGA					
	ACCAATGAAC ATTGTGTGGG	AAATTNATTC	CATATGTTTT	CAAGTCATTT	ATGCAACTTG	180
	AATAATTAAA ATATTCATTG TATGCCAAAA GTAGACAANC				GAAATTGTCT	240 281
15	SEQ ID NO:7074 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic	aaid				
20	TOPOLOGY: linear CLONE: HUMGSO8310 SEQUENCE DESCRIPTION:	acid				
	GATCATTTTT CTTGGAGGNT	GGAGATTGGC	TAGTACCTCT	GGCCTAACTG	TGTAGGTCAA	60
	TACTCTTTTA CATTGCCTTC					106
25	SEQ ID NO:7075 SEQUENCE LENGTH:69					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGSO8311 SEQUENCE DESCRIPTION:					
	GATCTTGTGT CTGTTGTGCC	TGAATTTGGC	GTGTCTAATA	AAGGCCCATG	CACACTATAG	60
	GCACTCAAA					69
35	SEQ ID NO:7076 SEQUENCE LENGTH:292					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS08312 SEQUENCE DESCRIPTION:					
	GATCAGTGAA ATNTTAAACT	CCCACGGTAA	CATCATGCCT	ATGGACATTA	AAGGAATAGC	60
	AAGGACTTGC TCCCACGACT					
	GATTCCAGAT AAGGGCAAAG NGCACAGGCA AATGGTGACA					
45	TTCTGANCTC AGTACATGTT					292
	SEQ ID NO:7077					
50	SEQUENCE LENGTH: 29					

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08313 SEQUENCE DESCRIPTION: GATCCTGCAC TCTAGCACAT GACTCCAAA	29
10	SEQ ID NO:7078 SEQUENCE LENGTH:334 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS08314 SEQUENCE DESCRIPTION: GATCCCCTGT CCCCTGGGGC TGGTGGATAG GGCAGAATCC TGGGCCCCCA GAGACCTTTG CCCACACACA CTCCTTCCCC TTGTCCCTGG GGNACTCCCC CAGGATTGTG CAATAGTCAG AGTGTCCCTT TTTGCAGGGG ACTGGGCCAT GGGTCCTAGG CCCATCTGTC CATCCTCCTC	120 180
	TCCATGCAAG TGCTGTTTGG GCAGNAGTCA CCATGCAAGG GTGNCATCGN CANCCACGTA	
20	CCAAGNCACC GCAGCTGCTG CCACTCTGCT GCCTGTACAG AAGGAANCTG NATCTTTTTN ATATTCTAAT AAAATNACTG TGGGNTTTNA NAAA	300 334
25	SEQ ID NO:7079 SEQUENCE LENGTH:245 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08315 SEQUENCE DESCRIPTION: GATCCCGTAA ATTGAAGGCA ACAAGGTCTT GGTCCTNCAG TAAGGGGGGC ATGGAGCCCT GGTGGGAAGG AAAGAAGNGA AATTTGTGTT CCTGATTCCT TAATCCCCAN GAAAGGTCCC	
	TCTGCTAACA TTCACATATC INTTCCTAGC CAAAGTCTGT CCATTTNAAC CCTNTAGCAT CTGAGCTATC TGCATCCAGN TTTCAAANAT ATTTCGNTGT TTACTAACAT GTNTGTNAGC CTNTN	180
35	SEQ ID NO:7080 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUMGS08316 SEQUENCE DESCRIPTION: GATCACAAAT NACTTGTTGA AATGTAAGGC AGTCCCCCTC CTCCTCTTTA TCTACATTAC TTCCCGAAAA TAAATGCANA TTAATAAA	60 88
45	SEQ ID NO:7081 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE: HUMGSO8317	

	SEQUENCE DESCRIPTION:					
	GATCAGGTCA CAGTGTGTAC	GTAAGAGTCA	GCTNCTTATG	GNTATTGTCA	TCTAGGTAAC	60
	TTTGTAAAAA AACAAACAAA	ACTGGCATTG	TTAATTCCAA	AAAGAAAAA	AAAAGCAGTA	120
5	AAAANAAANG GNCATTTGNA					149
	SEQ ID NO:7082					
	SEQUENCE LENGTH: 312					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08318					
	SEQUENCE DESCRIPTION:					
	GATCTCAGCC TCGGGTGGTC					60
15	AGTTTGCCTG AAATGAACCC					
	GAATGATACC CATCATTCTG					
	CCCTGCTGTG AAAAATAAAT					
	GTGAAAGAGT ATGGCTTAAA	TCAGACAAGA	TATACAAGAA	GATACTTTAT	ATAGGGCAGG	
20	AGCGGTGGCT TN					312
	SEQ ID NO:7083					
	SEQUENCE LENGTH: 87					
	SEQUENCE TYPE:nucleic	anid				
25	TOPOLOGY: linear	aciu				
25	CLONE: HUMGS08319					
	SEQUENCE DESCRIPTION:					
	GATCTGGGAA ACTGATTGAA	TAATACACTT	TTCTTGCTTT	GGTGCTCAAA	GTGGTTTTTT	60
	TCCCCCAATA AAATTATTTA			001001011111		87
30						
	SEQ ID NO:7084					
	SEQUENCE LENGTH: 312					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS08320					
	SEQUENCE DESCRIPTION:					
	GATCAGGAAA TGCATCTNCG	CAGATGGTAT	TTCCTTCAGA	AAAGACTTTN	CTACTTTAAA	60
40	TATAAATNAN GCCATAACAG					
40	AGATTATATA ATANGACCTT					
	GCAAGTTTTT TTGGGGGGTG					
	GTGANCTTTG GAGAGGGGAC	AGTTGTTGGC	TCTGGTATTT	CCTAGTTTTG	TAGTAACGTT	
	TTGCTAGCCN NN					312
45	CEO ID NO. 7005					
	SEQ ID NO:7085 SEQUENCE LENGTH:168		•			
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
50	CLONE: HUMGS08321					
	020110.110110300001					

5	GATCTGATGG GCCATCCGCT	TAAGATGTGA	GGGTGTCTCC CCTGCTCCTC ATCGAATTAA	CTTGCCTTCC	GCCGCGATTG		
10	SEQ ID NO:3 SEQUENCE LE SEQUENCE TY TOPOLOGY:11 CLONE:HUMGS	ENGTH:146 YPE:nucleic inear SO8322	acid				
15		TTTTACTCTA CAACAGAAAA	AAGTGCTAAA GAAACTGTAG TTTAAA				60 120 146
20	SEQ ID NO:7 SEQUENCE LE SEQUENCE TY TOPOLOGY:1i CLONE:HUMGS	NGTH:314 PE:nucleic near 08323	acid				
25	SEQUENCE DE GATCAATAAA CTTTCCACTA TGTGTGGAAA AGTCGGTCGT	GCTGTCCTAC CGTTGAAGAA GCTGACCGTT GTTTTTAACA	GAAAACCTAT TTAAGAAGTG CAGAGTCTCT	TTTTAAATGT GCATGTGCCT AGAAGAGGTG	AAATAAAATA TGAAAGGGGG CAGACATCCC	TCTGGTAGCC CAGAATGTTC GTCTGACTGT	180 240
30	CCCTGTGGAC TGTGCAAGAT		GTATGTTGCT	ATAATCCTCC	AAATCAAAGC	TCTTTCTGCT	300 314
35	SEQ ID NO:7 SEQUENCE LE SEQUENCE TY TOPOLOGY:1i CLONE:HUMGS SEQUENCE DE GATCTTACTG CTACATGTAA	NGTH:71 PE:nucleic near 08324 SCRIPTION:		AATGAGGCAG	ATTTTTGAAT	TAAAGAAATG	60 71
45	SEQ ID NO:7 SEQUENCE LE SEQUENCE TY TOPOLOGY:1i CLONE:HUMGS SEQUENCE DE	NGTH:412 PE:nucleic near 08325	acid				
50	GATCCTAACA AGGTCTTCCA						60 120

5	CTCTGTTCTG ATTCACCAGG GGCCACACGC CTGTTCCCAG TGGGGAAAGC GTGCGTGCGC CACACTTTGC AAAGCCACAG AGAAGAATAT TTTCTATTTN	CAAGTGCTGA GTTATTTATT CGTTTCTGGT	AACTCACTAG TAAGTGCGCC TTTGGGTGTA	ACCGTCTGCC TGTGTGCGCG CAGTCTTTGT	TGTTTCGAAA GGTGTGGGAG GTGCCTGGCG	240 300
10	SEQ ID NO:7090 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS08326 SEQUENCE DESCRIPTION: GATCTATTTT TGGCTTATGT AGTAAAATCT AGCCCATTTG			CTCTGAATTT	TGAAATATGA	60 91
20	SEQ ID NO:7091 SEQUENCE LENGTH:294 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08327	acid				
25	SEQUENCE DESCRIPTION: GATCTCAAGA GTTCAAGACC CAAAAATTAG CTGTGCATGG TCCGAGAATC ACTTGAATGC ATCACTGCGC TCCAGCCTGG	TGGCCCACGG TTGAACTCGG	CTGTAATCCC GAGGCAGAAG	AGCTACTCAG TTGCTGTGAG	GAAGCTGAGG CCGAGATGGC	180
30	NGAAAAAAA AAGGTTGTTN					294
35	SEQ ID NO:7092 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8328 SEQUENCE DESCRIPTION:	acid .				
40	GATCATGTTT TGAAGCAGCA TAAATCTGTT TGGAGGAAA	GGTCCAGGTC	ACTTTGTATA	TAGAATTTTG	CTGTATTCAA	60 79
45	SEQ ID NO:7093 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08329 SEQUENCE DESCRIPTION:					
50	GATCTTTCCC TAGAGAATGT GGTTAATNAT GTTTATTTTA AA				GTAACTGTTA	60 120 122

5	SEQ ID NO:7094 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08330 SEQUENCE DESCRIPTION: GATCTTAAAC TCTTTGATTA AAAATAATAA ATGGAAATGT GTTAAGCAAA	50
10	SEQ ID NO:7095 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08331	
15	SEQUENCE DESCRIPTION: GATCCAGGGA TTTGGGGAAA AGGAAGGAAT TTGATGTTTT TTGGGGTGGG AGGGGAGGGT GTGTTTTTTA CACCAAA	60 77
25	SEQ ID NO:7096 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08332	
30	SEQUENCE DESCRIPTION: GATCGCTGGC CTTCCTGACT TAACATTNAT GCATGCCAAG GTGTTGATGT TCCCAGCCAC GTTAACACCT TCCACAAGNT CTCAAGAAAA AGCAGACGGA TAACTGATGT GAATTGGACA GTTTCTATTG CTTTTCCTTT TTTCCATCCC TTCCCTACCA TCAAAAGCAT ACCTGCTCTA	120
35	SEQ ID NO:7097 SEQUENCE LENGTH:291 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08333 SEQUENCE DESCRIPTION:	100
40	GATCATATAC TCTGCTGTGG TCATGCCCAC TCTTTGGGAG TATATTCCCT TTATATATAT TGAGTATTGT ACCACTTGAG AAATTCCTTT GTTCTGTTAT ACAAAATTAA TCTTTCTGCT CATAATGATT GATGATACCA CCAGTAAAAA TAGGATGTTT ACCCCAAAAC AAGTGTCAAT TAAGAATTTG AACACAACCA CATTTTTTAA AATGAAACTT CTATCGGAAG TAAATTAATT TGNGGTAATA AAGTCCAGTA TTNGGNNAAA TGTACAATGT TAAATCTCAA A	180
45	SEQ ID NO:7098 SEQUENCE LENGTH:307 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	

5	CLONE:HUMGS08334 SEQUENCE DESCRIPTION: GATCAGACTT TTGTNTCTTG GAGCCCAGCC AGTCATGGGT GTANNNNNAT AAATATTTCC CAGGAATGTT GAAAATGCTC CACAAAAGTA AATAAGTATT TAAATAN	GGTCCCAGAT GCTAGCCTAG TGAGTACCAG AGCCTTACAT	TCTCCACACA TAAGAGAATG AGAAACTCCT	CCAGCAAGTA CATTCTTTTC AGATTTTCAC	GAACCCAAGT TCATCTAGGC TAACGCATTT	120 180 240
10	TANATAN					301
15	SEQ ID NO:7099 SEQUENCE LENGTH:199 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08335	acid				
	SEQUENCE DESCRIPTION:					
	GATCTGTACT TTGAACAAAG	AAAGTGTGTA	GAGACCCCTG	GGAGTGAGGG	GTAGGGGATA	60
20	CAATACTCTG AAGCAGAAGA					
20	GACGTAATCG GCTTTTGGTC	CATGGAACTT	TTACCACATG	TATTCAGCAT	ATATACACGA	
	TTAAAGTGCT GCAAATAAA					199
25	SEQ ID NO:7100 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08336					
	SEQUENCE DESCRIPTION:					
30	GATCTGGGAG TGGCTTCCTA	ACCCAAATCC	ል ልሮ ል ሮሮ ል ሞ ሞ ል	CCAACTACTN	CACCAAACTA	en
	ATGCTTTCCA TGACAACCTT					
	TGGGTCAACA TGGATTAGAA					
	ACCAGGCAAT GTAGTTAGCA					
	AGAATTTNAT AGAAATTTTT					297
35	7,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0				000	
	SEQ ID NO:7101 SEQUENCE LENGTH:296					
40	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUNGSO8337					
	SEQUENCE DESCRIPTION:					
	GATCTTTGTC TGTGAAGAAG					
45	ACAGAAGGCA TTGTTTTTTC		-			
	TTTATTGTCT TCTCTANGCA					
	TTTCATTAGT GAAGACATAG					
	AGAAATGGCA TATGGTTTTG	MIGHIAIGNC	CACCATCCAA	AATUTCCGAN	INAAIN	296

55

50

SEQ ID NO:7102

	SEQUENCE LENGTH: 305	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
5	CLONE: HUMGS08338	
	SEQUENCE DESCRIPTION:	
	GATCAACTTT AAGAAGATTT ACAAAACGCT CAAGAAAGAN GAGGATATCC NACTNTTCCC	
	CGTGCAGACA AAATACATGG ATGTGGTCAA NGAGTGAATC CGTTTAGCTC GACAGATTGA 12	
10	GAAATCTGAG TATCGGAACT TCCAGGCTTG CCTNCACAAC TCTTGGATTG AGCAGGCAGC 18	
	AGCTGCCCTG GAGATTGAGC TGGAAGANGA CATGTATAAG GNAGGAAAAG CTNNCCAGCA 24	
	AGAAGAACGT CGGNGACAAA AGCAGATGGN GGTTCTNGAA GAAGGAGCTG CGNCNCCTGC 30	
	30)5
15	SEQ ID NO:7103	
	SEQUENCE LENGTH: 414	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS08339	
20	SEQUENCE DESCRIPTION:	
	GATCCACAAG TCCTTGTTCC ACTGTGCCTT GGTTTCTCCT TTATTTCTAA GTGGAAAAAG 6	0
	TATTAGCCAC CATCINACCT CACAGTGATG TIGTGAGGAC ATGTGGAAGC ACTITAAGTI 12	0
	TTTTCATCAT AACATAAATN ATTTTCAAGT GTAACTTATT AACCTATTTA TTATTTATGT 18	
25	ATTTATTTAA GCATCAAATA TTTGTGCAAG AATTTGGAAA AATAGANGAT GAATCATTGA 24	
	TTGANTAGTT ATAAAGATGT TATAGTAAAT TNATTTTATT TTAGATATTA AATGATGTTT 30	
	TATTAGGATA AATTTCAATC AGGGTTTTTN GGATTAANCA ACCANCCAAT TGGGTCCCCA 36	0
	GTTAANTTTC CATTTCAGAT ANCCACCANN TAGTTTCNNN GTNTAGGTCC ATTN 41	4
30	SEQ ID NO:7104	
	SEQUENCE LENGTH: 252	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
35	CLONE: HUMGS08340	
33	SEQUENCE DESCRIPTION:	
	GATCCCCTGA CTGGCTGGGG GCAGCTCCCA GGATATCCTG CCTTCCAACT GTTTCTGAAG 6	0
	CGCCTCCTCC TAACATGGCG ATTCCGGAGG TCAAGNNCNT GGGCTCTCCC CAGGGTCTAA 12	0
	CGGTTAAGGT GACCACATAC CAGTGCCAAG GGGNTTNTAA AGTGGTGATG TAGTTNTGCT 18	
40	CCCCTCCCCA AGAGCGGGTG GNGGGGGGTT NAANATGTTT GGCCTGNNTA AGTGGGCCTT 24	0
	CCCATTNAAG TN 25	2
	SEQ ID NO:7105	
	SEQUENCE LENGTH: 318	
45	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO8341	
	SEQUENCE DESCRIPTION:	
50	GATCTTATTT TTTAATTTTA AGTGCCACTA TTAATGTAAA AAGGGGGGG CTCTACAGCA 6	^

	GTCGTGATGA AACTTAAATA TATATCCTTT GTCCTCGAGA TTTTAGGAAG GGTGTAGGGT 120
	GAGTAGGCCA TTTTNAATTN CTGAAGTGCT AAGTGTTTTT ATACAGCAAA CAAAAAGTCA 180
	ATTITCCTTT CCACCAGTGC GAGAGAGGAT GTATACTTTN CAAGAGAGAT GATTGCCTAT 240
5	TINCCGITTG ACAGAGTCCC GTAGATGAGC AATGGGGAAC TGGTTGCCAG GGTCTAANTT 300
	TGGATTGATT TATGCACN 318
	SEQ ID NO:7106
10	SEQUENCE LENGTH: 299
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS08342
	SEQUENCE DESCRIPTION:
15	GATCTGTGAC CCCAGCCATG AGGACCCTCG CCATCCTTGC TGCCATTCTC CTGGTGGCCC 60
	TGCAGGCCCA GGCTGAGCCA CTCCAGGCAA GAGCTGATGA GGTTGCTGCA GCCCCGGAGC 120
	AGATTGCAGC GGACATCCCA GAAGTGGTTG TTTCCCTTGC ATGGGACGAA AGCTTGGCTC 180
	CAAAGCATCC AGGCTCAAGG AAAAACATGG CCTGCTATTG CAGAATACCA GCGTGCATTG 240
20	CAGGAGAACG TCGCTATGGA ACCTGCATCT ACCAGGGAAG ACTCTGGGCA TTCTGCTTN 299
	SEQ ID NO:7107
	SEQUENCE LENGTH: 302
	SEQUENCE TYPE:nucleic acid
25	TOPOLOGY: linear
	CLONE: HUMGS08343
	SEQUENCE DESCRIPTION:
	GATCTTAGAG GTTGAAGCCC ACCTTCTCTT TTCACATAGG AGGGAACAGA CCATGGAAAT 60
	TTAAACGACT TCCTCACGGT CACAGAACTA GTTTTTTAAT CCTCAGGCAG TGNATCCCCC 120
30	CACCCTACAA CTGTGCACAA CCTCTTTCCC CACAGTGCAA TTCAGAATAT GCTCAGGGAA 180
	TGCCAGGCAC CTTGTAAAAC TGCTGGGAGA AAAGCATGNT TCCCACAAGG ACTAAGTATC 240
	AGTGATTTGT AATTTTCCTG TTTTGTATTA TCTGCTTTGC TGATGTAGAC AAGAGTTAAC 300
	TN 302
35	
	SEQ ID NO:7108
	SEQUENCE LENGTH: 110
	SEQUENCE TYPE:nucleic acid
40	TOPOLOGY: linear
40	CLONE: HUMGS08344
	SEQUENCE DESCRIPTION:
	GATCHAACTG TCTCACTGCT TTTCCAACTA TAATCATHTC GCTCTHACTT TAACAAAAGG 60
	CGATGGCACA GTAATTTAGT AAATTTNTGT AATAACATNT AAAAAAAAGN 110
45	SEQ ID NO:7109
	· ·
	SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
50	CLONE: HUMGS08345
	_ CLUNE. NUNU3U4343

5 .	SEQUENCE DESCRIPTION: GATCCTGTCT AAAAAAGAAA CCAGAACCTG CTACAGTGTA A					
10 .	SEQ ID NO:7110 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08346 SEQUENCE DESCRIPTION:	acid				
15	GATCATCAGT AAATTTGTCA GCTCTTAAAT ATATTAAAAA			ATAAATCAAG	ACTTCTGTGT	60 99
	SEQ ID NO:7111 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic	aaid				
20	TOPOLOGY: linear CLONE: HUMGSO8347 SEQUENCE DESCRIPTION:	aciu				
25	GATCCCAGNA GGAGGGAAGA ATGTATAAAA AAGTTGCATT			CAGTAAAAA	AAAAAAATA	60 92
30	SEQ ID NO:7112 SEQUENCE LENGTH:304 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08348	acid				
	SEQUENCE DESCRIPTION: GATCATTCTN GTTGATACCC TNAATCATGT CTNATTAATG					60 120
35	ACAACTTGTG CTTGCATATT TNTTTAAAGT TGATATCTNA AGGGGGGCTG TAAATATTGA AGGN	ATNTNTCATT	GTAGTNGCAA	AGCATGTAAT	TNCTTGGGGG	240
40						•••
45	SEQ ID NO:7113 SEQUENCE LENGTH:309 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08349 SEQUENCE DESCRIPTION:					
	GATCAAATTT CACGTCGTCT					
	AAGAGTCTA TTTCCACTGT					

	CTTCAGCCTC CCNACCTTC AGCATCTCAT GAGTGCCAA(AGTTTGNNN					
5	SEQ ID NO:7114 SEQUENCE LENGTH:282 SEQUENCE TYPE:nucleio	: acid				
10	TOPOLOGY:linear CLONE:HUMGS08350 SEQUENCE DESCRIPTION: GATCTTCCCC AGCTATGAAC		AATGGGAAAC	CATGAAATTT	GTCTTTT1AA	60
15	AGAAAGGGAA GAAATAGCCT TCCTGGGAGT CGGGAGACAC AGAAGGCAGT AATGCAAGAG TTAAGTAGTT CTTTTATAAA	TACAGCCCCT CGTGGAGTCC TCCTTTTGTG	GTTCCTCCAA TTACATCCAC AAGAGTGTTT	GTGCACATTT AGTGTCTGCT CTATGTAGAG	AGCCTTAAAA GGTCGTGGTC	120 180
20	SEQ ID NO:7115 SEQUENCE LENGTH:27 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS08351 SEQUENCE DESCRIPTION: GATCTGTTTT CTGTAACTTT					27
30	SEQ ID NO:7116 SEQUENCE LENGTH:251 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08352	acid				
35	SEQUENCE DESCRIPTION: GATCTTAGGC TTCAGCTCTT GGAAAGGCAG CATCACAGAG CACAGCTTCT TCCTTGCTGT TTTCTTATCT CTAGGTTGAA TGTGAGATAA A	TATCTTACAC TGGGGAAATA GTGTTCTTTG	CAGGACTTGG GTAGGTCACT	CTTTAGGTTC AAATCTCTCT	TAGTCCTTAA GAGCCTCAAA	120 180
40	SEQ ID NO:7117					
45	SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08353 SEQUENCE DESCRIPTION:					
50	GATCACGCCA CGGCACTCCA GTGAGGTTAA AAGGCTGTGT AAA					60 120 123

	SEQ ID NO:7118					
	SEQUENCE LENGTH: 295					
5	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08354					
	SEQUENCE DESCRIPTION:					
	GATCATTCAT CAACATGTGT	CTCTNAATTT	AATTCAGTAG	TTGTAATTAT	TCTTTGGTTT	60
10	AGACCAAGAA AAAGGAAATC					
10	TGTAAGGNAG AGGAAAGGGA					
	TTTCACCACT CCAAACCTTA					
	AAGGTTCGGG TTTAGTACAC	TTCAGTTCCA	CTCAAGCATT	GAAAAGGTTC	TCGTN	295
15	SEQ ID NO:7119					
	SEQUENCE LENGTH: 203					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS08355					
	SEQUENCE DESCRIPTION:					
	GATCCCCAGG ATGCCCACTT					
	CAACCAGGAA TCCACTCTCC					
05	AATCATATAG TATGTAACCT GAAANTAAAA NTGGATATTG		IAAAAAAAA	GIAIACAIGA	CTITAATGAG	203
25	UNANTIAAA NIUUNINIU	nnn				203
	SEQ ID NO:7120					
	SEQUENCE LENGTH: 82					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS08356					
	SEQUENCE DESCRIPTION:					
	GATCCGTTAG TGTCTGTTTA		TATAAACTTA	CAGAAACAAA	TATAATAAAC	60
35	TGAAGCAGAT TTGAAAAGCA	AA				82
	SEQ ID NO:7121					
	SEQUENCE LENGTH: 79					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS08357					
	SEQUENCE DESCRIPTION:					
	GATCTTTTGC ATTGCAGAGA	TATATATAT	ATTTTGTTTG	TAATGAGCCA	TTCTCAATAA	
45	ACATTATTCT CACTGCAAA					79
	SEQ ID NO:7122					
	SEQUENCE LENGTH: 299					
	SEQUENCE TYPE: nucleic	acid				

C	COPOLOGY:linear CLONE:HUMGS08358					
5 G	EQUENCE DESCRIPTION: HATCCCTAGT AAACTCCTTC AAGCAGTGN NNNTCCTAAT					60 120
	TCATGTAAA ATTTTAATTA					
	CTGAAATNC TTTTTCCATG					240
·10	ATATACTIN ATTGGTCCCT	AGGCTTCCTA	TTTNGTNACC	TTGCTTNNNN	NGTGGCANN	299
	PO 10 NO. 7199					
	EQ ID NO:7123 EQUENCE LENGTH:108					
	EQUENCE TYPE:nucleic	acid				
15 T	OPOLOGY:linear					
C	LONE: HUNGS08359					
	EQUENCE DESCRIPTION:					
	ATCATGTGC CAAGGCTGCG				CCTCAAAGCT	60
20 20	TGTGTATTG TNCCTTGTGG	TGAGATAATA	AATTATGGCC	ATGGGAAA		108
2	EQ ID NO:7124					
	EQUENCE LENGTH: 113					
S	EQUENCE TYPE:nucleic	acid				
25 T	OPOLOGY:linear					
	LONE: HUNGS08360					
	EQUENCE DESCRIPTION:					
	ATCAGACTG TGCTTTCTAA					60
30	TNCTCTCAC CTGGAAAACT	ACCTGGAAGT	TGTCAGGCAT	TTNCTTACTG	NNN	113
	EQ ID NO:7125					
	EQUENCE LENGTH: 125					
	EQUENCE TYPE:nucleic	acid				
35 T(OPOLOGY:linear					
CI	LONE: HUMGS08361					
	EQUENCE DESCRIPTION:					
	ATCTCTAAG TAATTNTNCA					60
	TCATCTGAC CCAGTTATAA TGNN	AIGAAAGANI	AIGGANIIAA	AAAIIIIAAA	NCIAAAIAAI	125
10	rum,					123
SI	EQ ID NO:7126					
SI	EQUENCE LENGTH: 122					
45	EQUENCE TYPE:nucleic	acid				
TO	OPOLOGY:linear					
	LONE:HUMGS08362 EQUENCE DESCRIPTION:					
	ATCATGCTC CATCCAGCCC	CACCCAATGG	<u> </u>	ፐፕሮ ፐፕፕሮሮፕ ላ	ተ ልልሮፕተሮጳርም	60
	TTGTAAACT AGTTTTTGGT					

	AA				122
5	SEQ ID NO:7127 SEQUENCE LENGTH:256 SEQUENCE TYPE:nucleic ac	id			
10	TOPOLOGY:linear CLONE:HUMGSO8363 SEQUENCE DESCRIPTION: GATCGGCACT CACGATTGTN ATC GTTGGAACTT GCAATAACCA TCC				60 120
15	ACCCGAAGTC TCAGCCTCCC CAC CCAGGGCCTG GGGGATGGGA TAA CTTAGGGTCT GGTAAA				
20	SEQ ID NO:7128 SEQUENCE LENGTH:346 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear CLONE:HUMGSO8364	id			
25	SEQUENCE DESCRIPTION: GATCAACAGG GGTGAAAAGA ACC AGNATTTTGT GTCTTTACTC CAC GTAACTGTTT TNNAGCTGAG TTG ATGGGGTGGG GTTGGGGTTG TTT	CCCTTCAC CCTAGTTCCA GTATGGAT TAACTTCAGT FAGGGAGA AGCAGCCAGA	CCAAGGTTCA CCACTGTAAA CTTGCTTTGT	CACACCAGAT TACACCTGGG GAACTGAATG	180 240
30	TATTTTATG CAATTTTGAG TGG TTGTTGTTAT ATAGTTTTGA GTA				300 346
35	SEQ ID NO:7129 SEQUENCE LENGTH:42 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear CLONE:HUMGSO8365 SEQUENCE DESCRIPTION: GATCGTGTCT CTGATAAAAG AAT.				
40	UNICUITED COUNTRARY AND	TAAAAGCI GIITATIGCA	AA		42
45	SEQ ID NO:7130 SEQUENCE LENGTH:338 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8366 SEQUENCE DESCRIPTION:	i d			
50	GATCTTAGGT CCCACTCANG GTCC GNCTTTTGTA CATGTTTGGT AGCC GTACATTTT AACTCCCCTA ATGC AGTAAAGCCT CCTGGCACCA GGCC	CGTAGCA CAAGTGATTG	GAGTAGAACA 1 AAATCTAAGG (TGTCACTGCT GGGGGGGCTC	120 180

	TCCCCTTTTA CTCATGGCCC ACAGTAGAAT ATCCAAAACG CCTTGGCTTT CAGGCCTGGC 300 CTTTCCTACA GGGAGCTCAG TAACCTGGAC GGCTCTAN 338
5	SEQ ID NO:7131 SEQUENCE LENGTH:294 SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
10	CLONE: HUMGS08367
	SEQUENCE DESCRIPTION:
	GATCTITICA AGATGCATTC CAGATGAACT GCTAGGTGAG GGGGAAGCTT CATTITIGTT 60
	ACCTGATAGA ATAGCTTTNC TNATGAGATA TATATAATGT GATACTATGT TTGGATATTT 120
15	TTGGTCTTAA AGCAAGACTC AGTGGTGTAT CTNCATTAAA AGCTTCCTTT AAAAAAAGNTA 180 CAGGGNTACT AAAAAAACAA GNACCCAAAC AATCAAGNTG GGCCCACCTT GGNACCNTGT 240
75	TTTGNATNAC CTTCCATGGT TTGGTTGGCG GTATGGNAAA AGGATTGNAT GGTN 294
	SEQ ID NO:7132
20	SEQUENCE LENGTH: 107
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGSO8368
	SEQUENCE DESCRIPTION:
•	GATCATGCTG TGTGGAGGAC AAATCTTTAA AATTCGAGGA TTGTA
25	CAAAGTTTGA AAATAAAGGG GCAAAAAATT TTAATGCAAA AATGAAA 107
	•••
	SEQ ID NO:7133
30	SEQUENCE LENGTH: 328
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS08369
	SEQUENCE DESCRIPTION:
	GATCTGCGAT GGCTGACATN AATAGGTCAC CATGTTGGCA GCTGTATAAT CAGCAATGAA 60
35	AGCTGAATAT TATCACCAGA TAACCAAATT ATGAAATATC TATATNANCT TCANGATTCA 120
	GGNCCANTGA ACCAGTATCT GCCCTTACGA GATTTAGCTG AANGTGAANT GCAAGGTGGT 180
	GAACGGCATT CTAACAAGAG TGTGAAGAAA GAGATNGANG GCTGTCCGCT GCTGGAGGGG 240
	AAGAANGGTG GGGCGGCTTT TNCAAGGCTC TGTGGCTCAG TGGACCTTCA ATANATTGGA 300
40	CCTTCAATAA ATTAATTGNA AANCANGN 328
	SEQ ID NO:7134
	SEQUENCE LENGTH: 244
	SEQUENCE TYPE: nucleic acid
45	TOPOLOGY: linear
	CLONE: HUNGS08371
	SEQUENCE DESCRIPTION:
	GATCTGAGGG ATTTGCTCGT CATTTGCTGT GGCAGAGATG ATGTTGACAC CCTGGGATGC 60
50	TGTGGGAGGG ACAAAAGACT CACGTATATG TTCTGTCAAA TCGGAGAAGT AAATAATCCG 120

5	TTGGGATGCC AGGATACTTT ATTCTACAGC GAAGTTAATT TTGTATCCGT CGAGGCTACA GTAGAGGTAA AAATGACATT GAGTTGTACT TTGCTTTGAA TTAAAGTTGA TGGGTAGCAG CAAA	
10	SEQ ID NO:7135 SEQUENCE LENGTH:48 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8372 SEQUENCE DESCRIPTION: GATCTTGACT CCAAAAATTA ATAAATAAAT AAAAATAAAT AAAATAAA	48
15	000 th we man	
	SEQ ID NO:7136 SEQUENCE LENGTH:48	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
20	CLONE: HUMGS08373	
	SEQUENCE DESCRIPTION:	
	GATCATGGTA TAATTAATTG AAATTTATTA AAATCTGTTT TTATTAAA	48
25	SEQ ID NO:7137 SEQUENCE LENGTH:267	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGSO8374	
30	SEQUENCE DESCRIPTION: GATCTGTGAC TTCAAGTTTG GACCGTGGAA GAACAGCACT TTCAAACCCA CAACTGAGAA	
	TNATGACACA GGGACAAGTA GCAGTGATAC ATCAGATGAC GACGATGTTT GAAGGATTTC 1	
	CTAACAGCTT TNGAAATCTT AGTGTGATAC ATCTCTCATA CAGTTTGGGG NGAATTGTNA 1	
	AAATGAAAGG ACTATANTTT ATGTAGTGGA ATACCCCCNN AGAAGAGGNN TTTTTTGGGG 2	
35	GCTTCAACTT GNTGGAAACC NAGANTN	267
	CEO ID NO. 7120	
	SEQ ID NO:7138 SEQUENCE LENGTH:314	
40	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUMGS08375	
	SEQUENCE DESCRIPTION:	
45		60
40	GGTTATCAAA AATTTCATGG AAGGACCACA TTTTATATTT ATTGTGCTTC GAGTGACTGA I	
	CCCCAGTGGT ATCCTGTGAC ATGTAACAGC CAGGAGTGTT AAGCGTTCAG TGATGTGGGG 1	
	TGAAAAGTTA CTACCTGTCA AGGTTTGTGT TACCCTCCTA TAAATGGTGT ACATAATGTA 2 TTGTTGGTAA TTATTTTGGT ACTTTTATGA TGTATATTTA TTAAACAGAT TTTTACAAAT 3	
50	COLLEGE NAME OF THE PROPERTY O	14
50	J	* T

	SEQ ID NO:7139	
	SEQUENCE LENGTH: 349	
_	SEQUENCE TYPE: nucleic acid	
5	TOPOLOGY:linear	
	CLONE: HUMGS08376	
	SEQUENCE DESCRIPTION:	
	GATCCAGAGT AAATGAGAAG TCTCTATCTG AGCTGGTCAG TTACTGGAGT ACATGTNACT 6	c
10	AATCTGGGTT TAAAGTTTAC TTCATTATCT GCTAGTGTCA TCCACAGCAG TTCATCCTCA 12	
	TCCACACTAA GCCATCCTGT NAGCTTTTAA AGGAAGTTAA TTTAATTAAC ATTAATATAC 18	
	TCTATGGGCT CCCTCTCCCA CCTGTCTGCA TAGAAAGGCA GAATTAGACA TAGCATGCTT 24	
	TGGAAAAGCA AATAGGAATT GTTGGGAATG ATTTANTCTT GTTGTTGTTG TTGTTGTTGT 30	
	TCACTTGTGG TTCTACATTC CTGGTGNATG NTGAATGTNG CTGTCAAGN 34	
15		_
	SEQ ID NO:7140	
	SEQUENCE LENGTH: 347	
	SEQUENCE TYPE: nucleic acid	
20	TOPOLOGY: linear	
	CLONE: HUMGS08377	
	SEQUENCE DESCRIPTION:	
	GATCTTGTGC TTCCATTTAA GAAATTCTTC CATTTAAAGA AGAAAAAAA TCTCTCTAAT 60	0
	TGACTATCTG AAGATATATG AAAAAGCCTA TGCTTTTAAA TTAANCTGTT AAGACAGTCC 120	0
25	ATTGAAAGAT TGTGGAAGTN CACATCTATT TTNCACCTTA ATTTTTTCCA TTGTCCCTAC 180	0
	TCATGACTCT AAAAAGTGCA TGGCTTGGGG CTATACTTTG TTTTGCAGTT TGTTGGTATC 240	0
	GTGCCTTTCC TTATCTACAT TAGCTTAGAC TATACCTTNT TTTTNAGAAG GGGAAGTGGN 300	0
	AATTAACTGT GGCAAAACCT ATTTNGGCAC ACCNCCTTTG TTCAATN 347	7
30		
	SEQ ID NO:7141	
	SEQUENCE LENGTH: 121	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
35	CLONE: HUMGS08378	
	SEQUENCE DESCRIPTION:	
	GATCTTAATT CTTTGCAATT ATANATGAAA AATGACTGAT TTTTCTNAAA ATATGTAACT 60)
	TATNTAAATA TATCTGTTTG TACAGATTTT AACCATAAAA ACATTTTTGG AAAACCATAA 120)
40	A 121	l
	SEQ ID NO:7142	
	SEQUENCE LENGTH: 409	
	SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear	
	CLONE: HUNGS08379	
	SEQUENCE DESCRIPTION:	
	GATCTGGAAA CTATTTGGGT TTTGTTTTCA ACTTTTCATT NGGATGTTTG NCNTTGCACA 60	
50	CACACATCCA CCGGTGGAAG AGACGCCCGG TGAAAACACC TGTCTGCTTT CTAAGCCAGT 120	
	NAGGTTGAGG TGAGAGGTTT GCCAGAGTTT GTCTACCTCT GGGTATCCCT NNTGTCTGGG 180	j

	ATAAAAGATN TCAAGCCAGT TGAGTTTTCT TGTTAAAAAA					
	CAATTITNIT ACATAAAATG					
5	TTATATANAC NATCCAGTTG				AAATCCAGTT	409
	Timining Micondila	HIGGIANIAA	MITTICOAAA			403
	SEQ ID NO:7143 SEQUENCE LENGTH:89					
	SEQUENCE TYPE:nucleic	anid				
10	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08380					
	SEQUENCE DESCRIPTION:					
	GATCTAGAAA ACTTTGGATT	TTTGAAGTAA	ATTTTAATGT	TTCATATTAA	TTTCTTGAAA	60
15	ATGTATTAAA IGTCATTGAA					89
	SEQ ID NO:7144					
	SEQUENCE LENGTH: 375					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS08381					
	SEQUENCE DESCRIPTION:					
	GATCACTGTG GACCATCTTA					60
25	TTTTGCCACT GTGACTAATG					
	TATGGCTACA TGGTTATATT					
	CAAATATTTG CTGTAACATT					
	ATAGCTTTTA AAGCATCTTT					
30	AGCTTTTGGT CTATATTGTT TGNTTTCATN NTAAA	AATTGCCATT	GUTGTAAATU	TTAAAATGAA	TGAATAAAAA	
	IUNITICATIV MIAAA					375
	SEQ ID NO:7145					
	SEQUENCE LENGTH: 513					
35	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY:linear CLONE:HUMGS08382					
	SEQUENCE DESCRIPTION:					
	GATCTCGCTC CTTTGAGAGG	TCCCATAAAA	GCAAGCACCA	TOGTOGCAGT	CGCTCAGGAC	60
40	ATGGCAGGCA CAGGCGCTGA					
	CTATCTACAG TGTGATGTAT					
	TGATTTCTTG AAACCCTCTA					
	TATGTTAATT TTTTTGCACA					
45	GGTTCAATTG TACTTTATTA					
45	AATTCTGTAA AAATGTATCT					
	AAGNGGTTAT TTTGTTTAAN					
	TNGTGTAAGG TTTTTNCAGG	GNNTAGTTCC	TGN			513
50	SEQ ID NO:7146					

5	SEQUENCE LENGTE SEQUENCE TYPE:: TOPOLOGY:linea: CLONE:HUMGS083	nucleic acid r 83				
10	ATAAGTAAGA AAA' AGGTTTACAA TTTA	IPTION: FTATTGA GAAAGAGCA(FATTTTG TCTAAAATG ACAAAGT GTGTATTAA	CTCAGTGTAT	TTGTATTTT	TTGCAAGTGA	
15	SEQ ID NO:7147 SEQUENCE LENGTH SEQUENCE TYPE:1 TOPOLOGY:linear CLONE:HUMGSO838 SEQUENCE DESCRI	nucleic acid				
20	GATCAAGAAA CTGG GAAATCAAGA ATTT	GAAAATG TGAAGCAATG TTAAAA ACAAGAATA1 TTTTCA ATGAACTGTA	CAACATTTGG	TTTTGTGTAT	AAGTGGTGTT	120
25	SEQUENCE TYPE:n TOPOLOGY:linear CLONE:HUMGS0838	ucleic acid 85				
30	UNICCAUMUU CUMU	PITON: BAAGCCA CCCTGTTAGA CCAATC CCCAGACCTT				60 120 133
35	SEQ ID NO:7149 SEQUENCE LENGTH SEQUENCE TYPE:n TOPOLOGY:linear CLONE:HUMGS0838	ucleic acid				
40	GATCCTTGTC AAAA ACTTACTATT GGTC	PTION: TGAGAT TCCAGGTCCT ATGCAA TAGGAGAACA ATGGAT TTACCTGAAA	GAGACCCGNG	GGCTGCTTTG	GGGGAGGGG	60 120 172
45	SEQ ID NO:7150 SEQUENCE LENGTH SEQUENCE TYPE:n TOPOLOGY:linear	ucleic acid				
50	CLONE: HUMGSOR38	7				

	SEQUENCE DESCRIPTION:					
	GATCACCATT CAATTTGAGT	TTCCAGGGG	AAGTGCATGT	ATAATGAAAT	GATAATGGAC	60
	TTCAATGAAG AATGTCATCA					
5	TTTGTGCCAG TGAAATGGAG					
	ATTAAACTTT ATAGTTTATC					
	TCAAAGCAAA					250
10	SEQ ID NO:7151					
	SEQUENCE LENGTH: 282					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08388					
15	SEQUENCE DESCRIPTION:					
	GATCATCACC ACCACGGTTC					60
	GAAGCTCCTG CAGNATCGGT					
	GCAGTGGTTG GAGGCCTCCT					
20	GGAAGAGGAC TGGTGTCTGT				GGCCCGACTT	
	CCCCTGGAGC GTGGGGGAGG	ACATGAGTGC	AGATGGACGG	TN		282
	SEQ ID NO:7152					
	SEQUENCE LENGTH: 391					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08389					
	SEQUENCE DESCRIPTION:					
00	GATCAAAGTA GAAGCNTTTG					60
30	TTGACATGAC ATCTAAAAGA					
	ATTCTNCTCT NACTCCTTTC					
	CGGAGCACTG GCATCAAAAA					
	TTGTTGAAAT GAAAGACAGT					
35	AGGGGNTAGC AAACTTATCT			GAGNCTTNTA	GNCACACAAC	
	CAGTCTCTGT TTCAGACTCT	GGGTAANTTN	N			391
	SEQ ID NO:7153					
	SEQUENCE LENGTH: 119					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08390					
	SEQUENCE DESCRIPTION:					
45	GATCTAAAAA TAATTCTTAA					60
	TCAGCTTACT GTAGGAGATT	TTAATANACT	AAAGCTTTTG	TTGATTTATG	AGTTAGAAA	119
	SEQ ID NO:7154					
	SEQUENCE LENGTH: 284					
50	SEQUENCE TYPE: nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGS08391					
	SEQUENCE DESCRIPTION:					
5	GATCTTGTAC CAAGCCAACG					
	CTTCCTTAGG AGTTTTGCCC					
	GTAGGCTCAC TCAGCCCGCA					
	TGCTACTTCC TGTGTACAAA				ATGAACAGGG	
10	GCCACGTTGT TGCAATTGTT	TCAGTAGAAC	TGGTTTGATT	TCTN		284
	SEQ ID NO:7155	`				
	SEQUENCE LENGTH: 289					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS08392					
	SEQUENCE DESCRIPTION:					
	GATCGAGACC ATCCTGGCTA	ACACAGTGAA	CCCCGTCTCT	ACTAAAAATA	TAAAAAATTA	60
	GTCGGGCATG GTGGCGGGCG					
20	GGCGTGAACT CAGGAGGCGG					
	AAAAAATAAA AAATAGTGCA					
	ACTTAGAAGT GGAGTTGCCT	TGTGGATGTC	TTTTTTGCAT	TCTGTAGGN		289
25	SEQ ID NO:7156					
20	SEQUENCE LENGTH: 293					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08393					
30	SEQUENCE DESCRIPTION:					
	GATCCAACTG CAGAGATGGC	AGCTGAGTCA	TTGCCAGTNT	CCTTCGGGAC	ACTGTCCAGC	60
	TGGGAGCTGG AAGCCTGGTA					120
	GGTACCTATG TTTCACCTCC	TGGAAATNAA	GAGGANGNNT	CAAAAATCTT	CACCACTCTT	180
35	GACCCTGCTT NTTTGGCTTG	GCTGACTGAG	GAGGAGCCAG	NACCAGCAGA	GGTCACAAGC	240
	ACCTCCCAGA GCCCTCACTC	TCCAGATTCC	AGTCAGGGCT	CCCTGGCTCA	TGN	293
	SEQ ID NO:7157					
	SEQUENCE LENGTH:69					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	0010				
	CLONE: HUMGS08394					
	SEQUENCE DESCRIPTION:					
	GATCACGATG TAAATAATNA	AGCATTTTGG	TAGGATGTCT	ANNGTAATAA	ACAATTTTTG	60
45	TACCATAAA			,		69
	SEQ ID NO:7158					
	SEQUENCE LENGTH: 312					
50	SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGS08395 SEQUENCE DESCRIPTION:				•	
5	GATCTTGGCC TCCCAAACCC TATTATGTAT CCAAACTGAA					
	TTGAGTCAGT CTGTCTTGTT					
	GTACACTGAT ATATTGGGTA	AATTTTGTTG	AATAAATTAA	GCTCAACTAT	TTGTATTTCA	240
10	ATAGNTTGAG TTGTATTGCT GGAGNAATTA AA	TCCTGTTCTT	CAAGCTTAAA	TTTGACCTGT	CTAATAAAAA	300 312
	SEQ ID NO:7159					
	SEQUENCE LENGTH: 92					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS08396					
	SEQUENCE DESCRIPTION:					
	GATCTTTTGT GGTCCTGTAA	AAGATACTGA	GGAATGTNTT	TCAGCCAAGC	CAAGAGGATG	60
20	GTTTCAATAA ACCTAATAAT	CTGAAGTTCA	AA			92
	SEQ ID NO:7160					
	SEQUENCE LENGTH: 61					
25	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08397					
	SEQUENCE DESCRIPTION:	CC	1#CCCC+C++	T. I. I. T. C. C. T. T.	****	60
30	GATCTTGCAA TATATACTCA A	GGAAATTACC	AIGGCAGAA	IAAAAIGCII	IIAAAAAIAA	60 61
						0.
	SEQ ID NO:7161					
	SEQUENCE LENGTH: 319					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE:HUMGS08398 SEQUENCE DESCRIPTION:					
	GATCCAAACT GNAGAACTTC	TCATTCATCC	CCAAGGCCTC	CAGGCAGTAT	CCAATGGGGA	60
40	ATCAGCTCTA AAAGGAACCA					
	NTNAGGAAAG GNTAGAAATN	TTCAGGGCAT	CATCATACAG	GCTCCTCATC	TACAAAGTTC	180
	CAGTAGCAGT GACGCCTACA	CGGAAGANTT	GGAACTGCAA	ACAGGCTGGG	GTCACCTCAN	240
	TNGCATCTGA CGCTGTCCAA	CCAGAAGTTC	GATTTTNNTN	CTGGGGGTGA	AGGTGGAAAC	
45	AGACTGTACT TAAAGGNTN					319
	SEQ ID NO:7162					
	SEQUENCE LENGTH: 134					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear					

5	CLONE:HUMGS08399 SEQUENCE DESCRIPTION: GATCCANAAA TAAGTTTAAC CAAAGCAGTG GAAAGATTGA NTTNGTGTGT TATN					
10	SEQ ID NO:7163 SEQUENCE LENGTH:147 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08400 SEQUENCE DESCRIPTION:	acid				
15	GATCTATGTG TCTGTNTGTG GACTGAATCT GGTTCTCCTC AATAAAATGA ACTGTCGACT	TTGTACACCC				60 120 147
20	SEQ ID NO:7164 SEQUENCE LENGTH:320 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08402 SEQUENCE DESCRIPTION:					
25	GATCTAGNAA CTAGNAAATA	CTATTTGTCC	CAGCAATCCC	ATTACTGGGT	ATATACCCAA	60
	AGGAATATAA ACCATTTAAT					
	NNACAATAGC AAAGACACAA			-		
	TGGTACATAT ACACCATGGA	ATACTGTGCA	GTGCAGCCAT	TACAGCTTTT	GGTGATACAG	240
30	TGAATCAGAT TTTNNATTAA					
	TTTGTATTGG NATCCTTGNN					320
	SEO ID NO. 7165					
	SEQ ID NO:7165 SEQUENCE LENGTH:74					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	0010				
	CLONE: HUMGS08403					
	SEQUENCE DESCRIPTION:					
40	GATCCATATT TTAAATTGCA	ACCCTGTTCC	CTATGATACC	TATCTGTCTA	TGAATGAAAC	60
	AAAGGTTTTA CAAA					74
	SEQ ID NO:7166					
	SEQUENCE LENGTH: 178					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08404					
	SEQUENCE DESCRIPTION:					
	GATCCAAAGA ACTTCTGTTA	TATCCCTTAT	ACCTCTTAAT	ATTTGTCATA	TTCGAAATTG	60

	AAATAAGATT TTAAGGTATT AACACTTTTA TGAAAATAAC					120 178
10	SEQ ID NO:7167 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08405	acid				
	SEQUENCE DESCRIPTION: GATCACAGAT TTCATCAGGA GGGTACCCAT TATTTAGCAA			GCCACTCTGG	ACAAGTCACA	60 98
15	SEQ ID NO:7168 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGS08406 SEQUENCE DESCRIPTION: GATCTCTGTG GCCTAGGTTT TCTCTGATGA TGTATGCAGT				TTATTGTTTG	60 110
25	SEQ ID NO:7169 SEQUENCE LENGTH:298 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGSO8407 SEQUENCE DESCRIPTION: GATCCTGAAG AGCGCTGAGG					60
or.	TCATGAGACA GATGCTAATG ATCCCTGTGC GGGTTGCAGA CAGCCATAAC ATCTACGTGC CCTTCGGGNT TGCCNCNACC	TGCTGCTAAA AAGCAATCAN	AACACAGAAG TTACCCTACG	TCTGTGGATG GTGCCCCGGG	AGCTAATGAG NAGAAGAGCT	180
40	SEQ ID NO:7170 SEQUENCE LENGTH:329 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8408	acid				
45	SEQUENCE DESCRIPTION: GATCCACCCG CCTCGGCCTC CAAAAGTTGA TTTTTAATTA NGANTACAGT TATATTTTAA TTGGTTTGCC TGGAAAGAGT	CATAAAAATC AACCTTAAGG CTCTGTTAAA	GTAAAAACTT TGACAAGCAT AGATTTTCCA	CTAGTAAAAA TTTCTATGCC TATTCAAAGT	CTTGATTNNG TAAATCTTCA AAAAGGAAAG	180 240
	ATTTCTTGCT TTCTAATTGT TAGATGTGAA ANATGTAATT		CATGCCTATT	TTCTTTGAGG	TATAANCCTT	300 329

	SEQ ID NO:7171 SEQUENCE LENGTH:213 SEQUENCE TYPE:nuclei	c acid				
5	TOPOLOGY:linear CLONE:HUMGS08409 SEQUENCE DESCRIPTION GATCCAGATT TNTTCTGTT	-	. CAACGATGA			
10	TCTATTAGGT CCATTGGCA AAGTGTTTAA GATTCCTTT ATAANTTACT AGTTTACCT	A AGTATATTGO A TTGTGGTACO	G TCCATATTCA C ATGTCTGTT1	AACCTATTCC	AAAAGGTTAG	120
15	SEQ ID NO:7172 SEQUENCE LENGTH:332 SEQUENCE TYPE:nuclei TOPOLOGY:linear CLONE:HUMGSO8410					
20	SEQUENCE DESCRIPTION GATCTGGTGG GCAGTCGAA CGTGGGCGAC TGAATCCAG NNTCAGTTTT TCACTTCTA TCTGGTTCTA ACTGCTGTT	C CATGGTGAAC C ACGTCTGTGT C CTACATATTT	GAGTANCGGG GTATGTTTNN	ACAGTAAACA NTGTATAACA	CTCCACATNN GCCTTTTCCT	120 180
25	ATAATTTTAT TACATATGA' ATGGGCACAA AATGGGCCCC'	Γ TAGAGGGATG	AGACAGACAT			
30	SEQ ID NO:7173 SEQUENCE LENGTH:332 SEQUENCE TYPE:nucleid TOPOLOGY:linear CLONE:HUMGSO8411 SEQUENCE DESCRIPTION:					
35	GATCCAGAGG CTCAGTGAAC TTCTGCCCTC GAGACCTGGC TGCTCCTTGA CCATGTTTAA CGGCTCTTCC TATACCTTAC CGACCATTGA GTCCTAGTCT	CCCATCAACT ACAGCAGTAT TAATTCTTCC GCCAGTCTCA	CCCTTGAAGA CTCCCCTGCT AGCACTCACT	AATCCTGAGG TGTNTATTTT GGAGACCCTT	CTTTGTAGAG TTTCTCTTCA GGGCCTTGGG	180 240
40	TCCGGCCTAG TAGGGGACCT	TGGGTAACAT	TN			332
45	SEQ ID NO:7174 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8412 SEQUENCE DESCRIPTION:		·			
50	GATCTGCTTT GCAGAGGAAA	TAACTTGTTT	TTTCTCATGT	TTCATCTTCT	TTTTATGTAA	60

	ATATGTAATA CTTTCCTATA TTCCAAA	TTGCCCTTTG	AAATNTTTGG	ATAAAAGATG	ATGTTTTAAG	120 127
5	SEQ ID NO:7175 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08413	acid	·			
10	SEQUENCE DESCRIPTION: GATCTGCCCG CCTCAGCCTC TTTTCTTTTC TCATAAAATG TATTAAATNG CCAAAGTGCA	CTTGTTCATA				•••
15	480 IN NO 5164					
	SEQ ID NO:7176 SEQUENCE LENGTH:347 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUNGSO8414 SEQUENCE DESCRIPTION:					
	GATCATCTCT AAAATTAAAA					60
	AGTATGTTGC TTCTGGGGTC					
25	AACTATTCCT ATCACCACAG TCCATACAGA AAATGTGTGC					
	CAGCCAAGTA GCAGAAATAT					
	ATGGGTATTT CCTTTCTTGT				ANIGIAAIGA	347
30	SEQ ID NO:7177 SEQUENCE LENGTH:213 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear CLONE: HUMGS08415 SEQUENCE DESCRIPTION:					
	GATCATACTA ATAATTTAAT	ATTTGAATTG	TATGGAAGTA	CAATTCAGTA	TCATTTTACA	60
	TATGGTATAT TGTGATGCTG					
	GTATAAAATG CTACATAGCA			TATTATTTCC	TACTGTTTT	
40	GACGTAACGG CAATAAAATT	TGTTTGAACC	AAA			213
	SEQ ID NO:7178				_	
	SEQUENCE LENGTH: 161					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUNGS08416					
	SEQUENCE DESCRIPTION:					
	GATCTTAAGA AGAGAATAGA					
50	AATCCAAACC AGTACAACTA	TATTGCATAG	AATGTTGGCC	TTGCAGCATT	TGGTGTCATA	120

	TGCAGTAGCC AGTGGATAAA	CTAACCTGTT	GATTCAATAA	. A		161
. 5	SEQ ID NO:7179 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8417 SEQUENCE DESCRIPTION: GATCATGTGC AATATTTCTT		GAAGCCACAA	TGAGCGAGAT	TAAAGCTGTT	60
	TAACACAAA					69
15	SEQ ID NO:7180 SEQUENCE LENGTH:348 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS08418 SEQUENCE DESCRIPTION: GATCTCTGTT CCTTTTGGCT TTAAGAGTTA GGCCAGATAA GCCTAAACTG GATTTCCTTA	GTGAAATTTA	ACTTAAGGGC	ACACAGCTAA	TAAGTAATAG	120
25	ACAAATGTTA GTTGTGTGTG TTTTAAGGCA AAATTTCTCC GGGGCCAAGT AGAAAGCATT	TGTGTGTGTG CTTATCTACT	TGTTTTTAAT GTGATGACTT	CACTGTAACC CAGAAGATAC	GGGTGCATTT	240
30	SEQ ID NO:7181 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8419	acid				
35	SEQUENCE DESCRIPTION: GATCCACTTC TGTAATTAAG TACAACCATT ACCNGNCACT TNCGCTTGTT CN					
40	SEQ ID NO:7182 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGSO8420 SEQUENCE DESCRIPTION: GATCTCATCA CTGCACTCTA ATAAATAAAT AACATAGTAG		CGGAGCGAGA	CCCTGCCGCT	AAATAAATAA	60 85
50	SEQ ID NO:7183 SEQUENCE LENGTH:224					

	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUNGS08421	
5	SEQUENCE DESCRIPTION:	
Ü	GATCATGGAC TGGTGCCTTT GCATTCAGAA GGAGAGCTGT CAGCGTANAC CGAATTCAAG	60
	ACCAAGGCGT GCTACCTGAG CTGACAGCTT TTTGAAAGCC GAGCTGTTTC TGAACCATGT 1	
	ACATACATGT TCTGAAACTT TCTCATCATT TTATGAGTAC TGTTCATTGA GAGATGACAA 1	180
10	TGAAGATTAG ATGAAATTGG AAATAAACCA ACATTGTTTA CAAA 2	224
70	070 ID NO 740.	
	SEQ ID NO:7184 SEQUENCE LENGTH:38	
	SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY: linear	
15	CLONE: HUNGSO8422	
	SEQUENCE DESCRIPTION:	
	GATCTCTGCA GTATTAAAAA GATGTACTCC CAATTAAA	38
20	SEQ ID NO:7185	
	SEQUENCE LENGTH: 67	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS08423	
25	SEQUENCE DESCRIPTION:	
	GATCTTTGGC AGTGCCAGCA GGTTAAATTT TGACCTGCTC AATTAAAAAT AAACACTGGC	60
	GTTTAAA	67
	ana vn va acca	
30	SEQ ID NO:7186	
	SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO8424	
35	SEQUENCE DESCRIPTION:	
	GATCTTCAAA GAAGAGAATG TAATTTATAC CATGAATATG TTATTTTTTC ATGTTGGAGC	60
	ACTGAAATAC TTTCAGTTTG TTTTCTTATT GTTTAAATAA AATTTTTAAT TCTTAAA 1	17
40	SEQ ID NO:7187	
40	SEQUENCE LENGTH: 231	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
45	CLONE: HUNGSO8425	
45	SEQUENCE DESCRIPTION:	
		60
	TAAACCAAAA GGACAATCTC TATTTTATAT AGAAAATAAA CATACTTTNC TGCATCCTGT 1	
	GTACTITAAG TATATCIATA TITNINANGG GITCATACTG TGITGANITI NCCINATGAN 1:	
50	ATAGTCACTT CCCCAGTGTA TTTTAATGCA AATGCATATN CTATAANNTA N 2	31

55

ı

	SEQ ID NO:7188
	SEQUENCE LENGTH: 197
	SEQUENCE TYPE:nucleic acid
5	TOPOLOGY:linear
	CLONE: HUMGS08426
	SEQUENCE DESCRIPTION:
	GATCTCTGTT CTAAGAAAAG GAGTGTGCCT TGCATTTAAA AGGAAATATT GGTTTCTAGG 60
	GAAGGGAGGA GGCTAAATAA TTGATACGGA ATTTTCCTCT TTTGTCTTCT TTTTTCTCAC 120
10	TTAAGAATCC GATACTGGAA GACTGATTTA GAAAAGTTTT TAACATGACA TTAAATGTGA 180
	AATTITAAAA ATTGAAA 197
	SEQ ID NO:7189
15	SEQUENCE LENGTH: 115
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGSO8427
	SEQUENCE DESCRIPTION:
20	GATCAGGAGA CAGGGAGGCC CCGCACATCA CACAGATAAA GTCAGACAAT TGTAATTAAT 60
	ACTITIGCTG CCTCAAGTTG TITITIAAAT AAAGTACTIT GAAATGCATG AGAAA 115
	SEQ ID NO:7190
25	SEQUENCE LENGTH: 329
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS08428
	SEQUENCE DESCRIPTION:
3 0	GATCCTTGTG GGCATTATTC TAACTGATAC GTAGACACTT ACTTGGAAAN NNNNGGACAT 60
	TATATTAAAT GAGTGCTATC TGTGAAATTG GTTATATTAG GTGGCTTGAC TAATGTTTTT 120
	CCTATAATTG TATATGGACT GCATTTTTAA AAAAAACCGC ATTTGCCTTT ATGCTAGATT 180
	GTAAAAAATT ATATTAGAAT GCATAAGACA TGTTTTNCCN TCATATGCTA GACTTTNCCT 240
35	AGCATTTCGT ATTTCTGTGT TGTCAGTGTG TGATTTTNAA ACCGGAATTT GGTTTAAAAA 300
00	AAATCTGGTG GTAATATATG TGAGAANTN 329
	SEQ ID NO:7191
	SEQUENCE LENGTH: 353
40	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS08429
	SEQUENCE DESCRIPTION:
45	GATCTTCATT CCAAATTTTA CTGCATGGAA ATGACTAATA ATGTGCATAA AAAGTTAACT 60
	ATAAGGATGC TCACTGCAGG GTGGCTTATA TTAACACAAA TTCACAAACA ACTCCACTGT 120
	TCCAGCACAG CAGTGTTTGG TAAATCATGA CATGTTTCTA TGCTCAATTA CTATCCAACT 180
	TTTGAGAATT AGGTTGGAGA TATGTAATTN CCAATATGAA AATAAATTTC CTATATNCTA 240
	TTTAGTAAAA NTAATTCATA AATNTCCATT TTTNCAAACA CTTCATGAAT TTNTTCCAAA 300
50	

	ATACANATGT TATCTATCCA	TTTNGGAATT	AGGANTGGTT	NNNATCATTT	TGN	353
5	SEQ ID NO:7192 SEQUENCE LENGTH:352 SEQUENCE TYPE:nucleic					
10	TOPOLOGY:linear CLONE:HUMGS08430	acid				
	SEQUENCE DESCRIPTION: GATCTCAGTT TTTCCATCAA					60
	CCTTTGCAAA CACCGGCAGT CCTGGAATAA ATGTCCCCCT					
	TTAGGAAATT CTGTGAGGNG					
15	NTNGCTGAAT TGCTTTAATA					
	CANCTTGAAT ANCAATAAAA					352
	SEQ ID NO:7193					
20	SEQUENCE LENGTH: 348					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08431					
	SEQUENCE DESCRIPTION:					
25	GATCCTGGAG AGGAGAAATC	CTGGCCTCTG	CTCATGCGCA	GGTCACAACC	GGGCTGGAAG	60
	TGCGGTTNAG CTCTCTGCCA					
	CTACTATATA CATTININTG					
	TACAGAGGAC CTCCTGGAGC					
30	GTGGAAGCNA GGCCACCATC				GAAAGTGGCC	
	AGGTGCCGGC ACAGTGCCTC	TCCCAGAGCC	TCAAGAAGGG	CCATTNGN		348
	SEQ ID NO:7194					
35	SEQUENCE LENGTH: 349 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS08432					
	SEQUENCE DESCRIPTION:			•		
40	GATCACAACT CTCAGTCTAC	CTGGAACACC	CCACCCAACA	TGCCTGCTGC	CTGGGGACAT	60
	GCCAGTTTCA TCAGCTCTCC					
	GGACTTTTTG GTTCCATCTG					
	AACCCCACCA CGGAACATTC					
45	CTACCCGGGG TTCAACCCGT GAATAGGAAT GCAAATTTCC				CTACCACAGC	
	UNITED TRADUCTION	ONCIUICINU	AUAU I CUAU I	IACITOINN		349
	SEQ ID NO:7195					
	SEQUENCE LENGTH: 342					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

	CLONE: HUMGS08434					
	SEQUENCE DESCRIPTION:					
-	GATCTGCCTG CCTCGGCCTC					
5	ACCAAAAGTT TTTTTAAATG					
	TTAATTTCTG AAAACACTGT					
	CTTGGGGAGC AGAGCTGGTT					
	GTTCTCAGTG GGCTTTTGCC				CIGCICCIAA	
10	GACCACCATG AGGAAGGCTG	GUAATIUUCI	CIIGAAIIAA	NN		342
	SEQ ID NO:7196					
	SEQUENCE LENGTH: 364					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS08435				•	
	SEQUENCE DESCRIPTION:					
	GATCTGCATT TNNAGGTTCC	GAGCCTGACC	CCTGGAACTG	ACCAGCGCTC	GATTGTNAGC	60
	CTTGGCCTGG GGTTTTAACC					120
20	TTCCTCATCA GTTTCACTTC	TGGAGGTTTT	CTTATCCTAC	TCCCTGGTGC	CAGGGACGTA	180
	CCTGGGAGTT TGAATCAGGC	CCATTTGAGC	GTGGCAGCCG	TGTTGGGTGA	AGGTCCGGGG	240
	CTCGGTGAGG CACTGGGGGG	GTTTTCGGGA	GGAAAATGAA	AATGCTTCTA	GAATGAGTGA	300
	ACCACATCAT AGCTCTCACT	GTTTTTTCAA	TAGCTACTTT	TTTTAGCAGA	CANCAGAGCC	360
25	ACAN					364
	SEQ ID NO:7197					
	SEQUENCE LENGTH: 30				•	
30	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS08436					
	SEQUENCE DESCRIPTION:	******				20
	GATCTCAAAA TAAATTCAGA	AAGAAAIAAA				30
35	SEQ ID NO:7198					
	SEQUENCE LENGTH: 196					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	acia				
40	CLONE: HUNGS08437					
	SEQUENCE DESCRIPTION:					
	GATCTGCCTA GCCAACTTTC	TTAACCCAAG	CCCAAACTGA	AAGTCTAAAA	GATGTATTTC	60
	TGGGGAATTA CCCCACCTCA					120
45	TTTTAAAAAC ACTAACTCAA	TAATNCTCAA	AAATCAAAGT	CTGCTTTNAT	NATCTGGTAA	180
45	TAAAATAATA GGCAAA					196
	SEQ ID NO:7199					
	SEQUENCE LENGTH: 102					
50	SEQUENCE TYPE: nucleic	acid				

	TOPOLOGY: linear CLONE: HUMGSO8438	
5	SEQUENCE DESCRIPTION:	
3	GATCCGCCCA TCTCCGTCTC CCAAAGTGCT GGGAATNACA GGCGTGACAN CCAAACCCGG CCTGATTAAA GTTAAATAAA TACTAGTTCC CTTCTCGTCA AA	102
	SEQ ID NO:7200	
10	SEQUENCE LENGTH: 341	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUNGSO8439	
	SEQUENCE DESCRIPTION:	
15	GATCAGTGCA TTTAGACATC CAGAAGTTAC TTCCACTATT GAGGAACTAT GTAGACATGA	60
	ATTTAAGCTT GTACATGTGC CAATCTTGTT AATGTCACTT GACCACTGAT TCACATAGAC	
	AGACATTAAC GTCTGATGCC TCAGGTTGAT GGCGAACTTN CTTCCTAGTG TCTTAACATT	
	TATGANCTTA TGTTTGACTT GAGGGGCATT TCAGCAAAGC TGTGNAGGAA AAGTAGGTTC 2	240
20	TGGNCTGATG TCTGCTTTGT NCCATAGACA TTTTGGAGCA TAAGGNAGTA TCTNCTTCTG	300
20	CTATATGTNC AGGGCTTGTC CCCAAATNAA TTCCTGATTT N	341
	SEQ ID NO:7201	
	SEQUENCE LENGTH: 110	
25	SEQUENCE TYPE: nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS08440	
	SEQUENCE DESCRIPTION:	
	GATCTNCTAC AGTTCCTNCA AGCCTAGACA ACCTAAGAAA CTTTACTATC AGCAGCTTAA	60
30	GATGAAAATC ACAGACTTTA AGAACAGGCG AAGTTTTAAN TGTATATNNN	110
	SEO ID NO. 7000	
	SEQ ID NO:7202 SEQUENCE LENGTH:45	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY: linear	
	CLONE: HUNGS 08441	
	SEQUENCE DESCRIPTION:	
	GATCCAAAGA AATAATCCAA AATAAAAAGT TATATCCAAG ATAAA	45
40		
	SEQ ID NO:7203	
	SEQUENCE LENGTH: 202	
	SEQUENCE TYPE: nucleic acid	
45	TOPOLOGY: linear CLONE: HUMGSO8442	
	SEQUENCE DESCRIPTION:	
	GATCCACAGT GGAGTTTTAG TAATTATATT TINTTGATTT CTTCATTTTG TTTTCTGGTA	60
	TAAAAGTAGA GATAATGTGT AGTCACTTCT AATTTAGTGA AACCAATTGT AATAATNTG 1	
50	GAAATATTTT GTCTTTAAGT GTAAATATTT AAAAATTTGG CATACCCTAA TGTNAATAAT 1	

	AAAAAGAACT ATTTGCAGAA AA	202
5	SEQ ID NO:7204 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic acid	
10	TOPOLOGY:linear CLONE:HUMGS08443 SEQUENCE DESCRIPTION: GATCGGAAAA CTCTGATTGA ACCATTCACT TTATTAGCCA GTAAACTTTC TCAACCCCAG	60
15	AGCAAATCAA GCTTTCCTTT GCCTGGGAGG AAAANCATAG GGAACTCTAA TTCTGAGAAC TAAAAATCAG TAATTTCCAC AATTGTATGT TGAATAGTGA TTGCCTTTAN GNGNCTGTGN NCATGGAGTA ATATTACTAT TTAAAATAGG CCATTTGTAT CTACCTTTGG TCCTTAGGAA AATTCCTAAG GAAGTCAATT AATGCACTTT NAGATGTTAA AAGTATTTGG GCTAAGGTTA TTATTGCCTG ATATGGAAAT AATTATNNTT CTGNTTN	180 240
20	SEQ ID NO:7205 SEQUENCE LENGTH:351 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:linear CLONE:HUMGS08444 SEQUENCE DESCRIPTION: GATCAGTGAC AATTTACAGG AATGTAGCAG CGATGGAATT CCCTGGAACA GTTTTTTGTT TTTNTTTTTG TTTTTGTTTT TGTGGGGGGG GGCAACTAAA CAAACACAAA GTATTCTGTG	60 120
30	TCAGGTATTG GGCTGGACAG GGAAGTTGTG TGTTGGGGTG GTTTTTTTCT CTATTTTTTT GTTTGTTTCT TGTTTTTNAA TAATGTTTAC AATCTGCCTC AATCACTTTG TCTTTTANAA NGNTTCCACC TCCAGTCCTN TCTCCTCCCC CCTACTCAGG CCCTTGAGGC TATAGGGGGT TNCTTNGAGG ACCTCANCAA AATCCCAATC CAAGTNAACC TTTTGCACAN N	240
35	SEQ ID NO:7206 SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUNGSO8445 SEQUENCE DESCRIPTION: GATCTATTC TTTAAAAGAT ATTTGTGCAG AAACTGCATG TAACTCTAAG TTTTACTCCT AACATACATA TGTTTGGGGA AGTATTCTAT TCTATACTTG CCAATGTGGA GAACAAAATA GTTTTTTTAA GAATGAAGAA GTATATATAT CCATTCTGTA TTTTACGTGC AGCAGAATTA TCTTCCGTAG GATTTTTTTG TGTATTCACA AGGTGATATT TGTATTGTAA AACAATAATG	120 180
45		273
	SEQ ID NO:7207 SEQUENCE LENGTH:328 SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear CLONE: HUMGS08446	

	SEQUENCE DESCRIPTION:
	GATCAGATTT TTANAANATC CATTTOTCAT ATLANTAGE TO THE
5	ATATAAATAA TATTATCAAA AAAGCTGATT TTAAAAGTTT CTCCCAAAGT CTTATTCTAG 120
	TAATTATAGA GACCTAGGTA ATGAGTGGCA GATATATCTG CCTTTCAGAT ATGCCGTAAT 180
	GTGAAAAATA ACACAGTCAT GTGATATTCT TNATTAACTA AAACTGTGTT GTTTTTATTT 240
	TGGAGTAGTT CTCATAATTC ATTGGTAGGG AACTATCCAG TATTTATATT CCTATGTATG 300
	TNTATCAGNT TAATTTCAC CCTTCCAN
10	328
	SEQ ID NO:7208
	SEQUENCE LENGTH: 145
	SEQUENCE TYPE: nucleic acid
15	TOPOLOGY: linear
15	CLONE: HUMGS08447
	SEQUENCE DESCRIPTION:
	GATCTGTACA TACACTCTTA ACAATCTACA TATTAAAATT
	AATATTAAGA CTCAGAGTTA AGTAATTTCA CTGAAATTGA TTGCTTTTTG TGTCTTGGAG 120
20	TCAAAATAAA TAACTCAAAT CTAAA
	145
	SEQ ID NO:7209
	SEQUENCE LENGTH: 227
25	SEQUENCE TYPE:nucleic acid
25	TOPOLOGY: linear
	CLONE: HUMGS08448
	SEQUENCE DESCRIPTION:
	GATCTGTTNA CATAAGCACT ACTCACACCA CTACTGGGGG
30	TGTGTTTATT CATGATATCA CCTTAGTAAT TTTTGAAAAA AAAAANGTAC CACACTTGGC 120
	CAAANGCTCA TCAGGCTGAT TGTTTANCTG TNGCTGATTG CTTATCTTTA TATTGTATGA 180
	CCCNGGGGNT NGNTTTGAAN GTTATATTAG GTTTGAAATG ANTTATN 227
	LLI
35	SEQ ID NO:7210
30	SEQUENCE LENGTH: 333
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS08449
40	SEQUENCE DESCRIPTION:
	GATCTTTGAA CTCTGCAATA TGAAGCATAT ATGTGAGTGC TTAGCTTTCA CTCTCTTTCT 60
	GTGTGTGTGT GTGTGTATAC AGATACTAAG ACACAGATAC ATTCACATAT ATACATCTAA 120
	ATATATATA AGTACAGTCC ATATTCAGAT TTCTTCAAGG TTATGGGTCT ATTGTTTAAA 180
45	TTCGGAATCC AGTCAAGGAC AACACATTAA AATTGATTGT TTTGCCTCTA CAGTGTGTTT 240
45	TTTTGGTTTT CATGACATTG ACTTTGATTT GAATAGGTCA GACCATTTCA TGTACTTTAT 300
	ANAGGCACTT TGTAGATTTG TCTGATGATT TGN 333
	SEQ ID NO:7211
50	SEQUENCE LENGTH: 151
	SEQUENCE TYPE:nucleic acid

	TOPOLOGY:linear CLONE:HUMGS08450 SEQUENCE DESCRIPTION:					
5	GATCAAGAGA GTTCGATTGG TATAGAATGG CAGTATAATG GAAATTAGAG GATGCAAGGA	ACAATAACAC	TTCTCATTGT			
10	SEQ ID NO:7212 SEQUENCE LENGTH:275 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS08451 SEQUENCE DESCRIPTION: GATCTGACAG ACGTCAATAC TAGTCACTGA CTACACTACC AGATTTTGTT TTCAATTATA	ATTATCTGAA	GCATTCAGAT	AAGACTTAGC	AGAGAATGTC	120
20	TTGTCTATAT AAATGTTTTA AAAGAGCTGA AATTAAAATA	TATCATTTAA	AAACATGCAG			
25	SEQ ID NO:7213 SEQUENCE LENGTH:103 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8452	acid				
30	SEQUENCE DESCRIPTION: GATCACTTGA GTCCAGGAGT GCCTGGGCCA CAGAGTAAGA				CTGCACTCCA	60 103
35	SEQ ID NO:7214 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8453 SEQUENCE DESCRIPTION:	acid				
40	GATCTGTAGA CATGAAGGCA TTTTATAAAT TCGTTCATTT AAAATAACAG TGCAAAAGAG	TTCCTGTTAT				
45	SEQ ID NO:7215 SEQUENCE LENGTH:164 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8454 SEQUENCE DESCRIPTION:	acid				
50	GATCAGAAGA GGATGACAAT	GGCAACAAGT	GTTTGGAAGT	TCCAAGGTGT	GTTCAAAGAG	60

	GCTTGCCTTG AGGGAGGGCT CTCCACCTTG TCTAAGCTTT				GGTCTTTAGC	120 164
5	SEQ ID NO:7216 SEQUENCE LENGTH:332 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08455	acid				
10	SEQUENCE DESCRIPTION: GATCTGAAGT CCCCCCAACC TAATAGACCT GCATATTTCC TATTTTTAAC TGAAATACTG	TTCCCTTATG	ATTTCCTATA	AAATATAGTT	TATGGTGTTA	120
15	ATGTAGTATT TGCCCCCTAT CTTTGAGTTG CTACAAATAT -CTAAAGANTG NNNAANNTAA	CAGTGAGCTG GGTTCGNTTT	AACAAATACA GTTTATTTTT	TCATTTAAAT	CTATGCTGCA	240
20	SEQ ID NO:7217 SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08456	acid				
25	SEQUENCE DESCRIPTION: GATCTGTACC ATCCTGTTGC TTGACAGCCA CCGCTTCAC ACTGTCTTGA TAATTAGCCT	ACCCTGGTCT GACCAGCAGG	GGAATAAGGA ATGAATGCAA	AACATCGGAG GACTGACAGT	GGAGAAGTTG GATGGACTCT	180
30	GTGACATGGT CAGGTTGAGC TTTCTGTTTT TAATTAAAAA SEQ ID NO:7218			GCTGTGTTTT	CTAACACATT	240 277
35	SEQUENCE LENGTH: 198 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGSO8457 SEQUENCE DESCRIPTION:	acid				
40	GATCTTAAAC TCCTGACCTC ACAGGTGTGA GCCACTGCAC GATTTGTTAA ATNAGTGATT AAAATTTAAA ATCAGAAA	CCAGCCAAGT	TTATGTATTT	TNATTCTTTT	TCATGAATGT	120
45	SEQ ID NO:7219 SEQUENCE LENGTH:409 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08458	acid				
50	SEQUENCE DESCRIPTION:					

	GATCTGCATC TNACGCCCAC					60
	CCCGGTCGGG GGAGCAGGTG	TGGCAAGTGT	TAGGAACTCC	CTTCTGGTGA	CAGCTGGTCT	120
5	TCCTAGAGTG TTGCTGGTAA					
3	GGCACTTTTT CGTCTTGTAG					
	CTCAAAAAA GGTTTATGAA					
	AAATTCTGCA GCAGGAATAT					
	ATATTTAAAT TGCTATNTNA				imilitiou	409
10				001121111111		403
	SEQ ID NO:7220					
	SEQUENCE LENGTH: 87					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
15	CLONE: HUMGS08459					
	SEQUENCE DESCRIPTION:					
		1 T 1 O C O T T 1 T	COROLC LORD.	Maammi amam		
	GATCTCCTGT TCCGTTAGAA		GITGACATTA	TGGTTACTGT	GCTTGTGGTT	60
	TTGCAATAAA CATGTATTGA	AAGCAAA				87
20	ara in un goot					
	SEQ ID NO:7221					
	SEQUENCE LENGTH: 130					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS08460					
	SEQUENCE DESCRIPTION:					
	GATCAGATAA AATAACTCCT					
	TGACTGATGT TGTATGGTTT	ATGTTAAATG	TATATTCTTT	TAATCAATGA	ATAAAGCATT	120
30	AAAAATGAAA					130
		•				
	SEQ ID NO:7222					
	SEQUENCE LENGTH: 251					
35	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUNGS08461					
	SEQUENCE DESCRIPTION:					
	GATCAGAAAC ATTTACAATC					60
40	TGAGANNNNN GGACTCCACA					
	AACCAATTGC CAATCAGAAA					
	ACCCTTGCTT GCTTCAAATT	GTTCCAACTT	TCTGGACCGA	ACCAATGTAT	AGCTTAAATG	240
	TATTTGATTG N					251
45	SEQ ID NO:7223					
	SEQUENCE LENGTH: 189					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUMGS08462					
	SEQUENCE DESCRIPTION:					

5	GATCGGTGCC ATGGCAAGCA CACCCTCAGT CATCATCCTC ATCAGGACAG NCAGCCNNGA ACTCAAGTCT TACGCTTTGG GAGTTCTTTT TCTCNTCCTT CGTTTGTTGG GCTTCATCCC NCCACCCCTC ATCTTCGGGG CTGGCATCGA CTCCACCTGC CTGTTCTGGA GCACGNNNTG TGGGNGAGN	120
10	SEQ ID NO:7224 SEQUENCE LENGTH:97 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08463 SEQUENCE DESCRIPTION: GATCTGATTT GGCCTGGGAC CAGTGTTCAA GTTGGTTTGG TCTTTATTAA AAATCACAAT	60
15	ATTCCGAAAA CAAAAAAACC TAGGAGATAA ATGTAAA	97
20	SEQ ID NO:7225 SEQUENCE LENGTH:255 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08464 SEQUENCE DESCRIPTION:	
25	GATCTGAAAT NAGAGGTTTT GGTTTACCCT ATCTATGGTA TGTCTTAAAA ATCAACGAAG ATGTCCTTGT CTTTTTTNAA TTTNCCGAGT GTGTTGCAGT TCCACAGCTC ACTGTTAGGT 1 GGCACATACC CCAAACTGAA AACCTGACCT CGTAGGGCAT GAGTCAAAAG ACAGGTAGGC 1 ACAGGACAGG GCAGTGGTGA CACTACAGCT TTCAGGGTTC CCAGCCTGTC AAGAATGAGC 2 ATGTCTTAGC AGGGN	180
30	SEQ ID NO:7226 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08465	
35	SEQUENCE DESCRIPTION: GATCAAATTT GGAAAACCTA ACATTGAGAC AATACTATAT TAAAGTATCT CTGGTACCCG AAA	60 63
40	SEQ ID NO:7227 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUMGS08466 SEQUENCE DESCRIPTION: GATCCAGCAA TCTCACTGAG TATCTAACCA AAGGAAAATA AATCACTATA CCAAA	55
50	SEQ ID NO:7228 SEQUENCE LENGTH:220	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08467 SEQUENCE DESCRIPTION:	acid				
	GATCCAAGAA CCCTCTCTTG GCATTTTTAA TCCTATGCAC TTGATGACAA TAGATGACAA	TTAACACTTC	TGTATAGAAA	AAGAACATCA	CACTAGAATT	120
10	GCAGATATGG TACTAAAAAT				ACTIATIAGA	220
15	SEQ ID NO:7229 SEQUENCE LENGTH:114 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08468 SEQUENCE DESCRIPTION:					
20	GATCGCGCCA TTCCACTCCA AAGACTTGAT TTTTATTTTC					60 114
	SEQ ID NO:7230 SEQUENCE LENGTH:274 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGSO8469 SEQUENCE DESCRIPTION:	aciu				
30	GATCTTATAC AGAGAAGTAT TTTGTAATTT TTAATTTTAA					60 120
	GCATTGGAAT GGNCTCTGAA TGANGTTAGC CTCACGATGC	TGTGCAAAGG	ATTTTNAAAT		CTGANAGAGT	240
35	TTAANCATCT GTCCATGTTA	AATGCTCTAT	GGGN			274
	SEQ ID NO:7231 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS08470 SEQUENCE DESCRIPTION:	CCTT4 4 TC 4 C	TO LOTOLLO	ammaan . man	C	
45	GATCCTTTGT TCACGGCTCT CTAAACCTTT TCCTAAGCTA AAAACCATCT GGAAA	• • • • • • • • • • • • • • • • • • • •			4	
	SEQ ID NO:7232					-
	SEQUENCE LENGTH:238 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGS08471					

	SEQUENCE DESCRIPTION		7.00 + + 0 + 0 mm o		amaa.a	
	GATCGAGCGG AAAATTCCAG					
5	AACATTGTGC TGTCTGTCAG CTTTTGACAA AGGACTTTAG					
	ATATTTTAAN TATGACTGT	I ACCIIGACIG	AIAAIAAAGA	IUIAAIAAUA	NIIGCAAA	238
	SEQ ID NO:7233					
10	SEQUENCE LENGTH: 71					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS08472					
	SEQUENCE DESCRIPTION:					
15	GATCAGTTCA GCCAAGCAAC		\	ፓር ታር ኒርቲ ታር ህ	CT	60
•	TTGGTCAGAA A	IUACAAAICA	AAAACCCACI	TUTCAUTTON	ULAAAALAAL	60 71
	IIIUIIUAAA A					(1
	SEQ ID NO:7234					
20	SEQUENCE LENGTH: 347					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08473					
25	SEQUENCE DESCRIPTION:					
	GATCTAGAGG GCTTCGAGTG					60
	AANTAGAGTG AGGCGTATGC					
	AAAGGATAAG CACTCAGACT					
30	AATGTATATC AAAGACTTGA					
30	TGCTGNCTTT GCTTANNATT CCTAANNGTT NCCCCTNGAG				GINIGGGONC	
	CCTAANNOTT NCCCCTNGAG	UUUINCAIII	IIGAAGGNGG	GIIANGN		347
	SEQ ID NO:7235					
35	SEQUENCE LENGTH: 93					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS08474					
40	SEQUENCE DESCRIPTION:	**********		# 1 W # W # 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	a m m m m m m m m m m m m m m m m m m m	ca
70	GATCTTGTGT TTTGCTATCC			TATTITAAGG	GATATITIGA	60
	TTCTAAATAT GATAAAATAA	TITUTUACCI	AAA			93
	SEQ ID NO:7236					
45	SEQUENCE LENGTH: 417					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08475					
50	SEQUENCE DESCRIPTION:			-		
50	GATCCCAATT CAACTTATCC					60
	ATNNNAGAA ACTGTCTCTT	GCCAATACCT	TTAGTACTGG	AATTCTCTCA	TCTTCCTCAA	120

5	CAGTCTTGGC AGCTAGGAAA AAACAGCTGA TTGCAATACA ACTCAAGTAT TTTGGATGAG 180 CCTTTACGGT AGCTAAAAAC CCATCCAAAA GACTGCTAGC CAGAGCAAAT GTTTCTGGGT 240 AAAGGTTGAA TTGGTACTTG AGTTTGGCCA GCCATTGANT TACTTCATCT CTCTGGGATG 300 GNGAACATTC TGATTTGAAG GCATTTTCCG CACATTCACT TTCCACATCT GTGNCTCCCT 360 AGTGATTGCC TTTTCCACCA GGAANGCCAA TCTCTGGTTT TCCAAAGGCC CTNGGAN 417
10	SEQ ID NO:7237 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08476
15	SEQUENCE DESCRIPTION: GATCAGACCC TCCTGTGGGC AGGGTTCTTA GTGGATGAGT TACTGGGAAG AATCAGAGAT 60 AAAAACCAAC CCAAATCAAA 80
20	SEQ ID NO:7238 _ SEQUENCE LENGTH:409 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08477
25	SEQUENCE DESCRIPTION: GATCTGCCTG CCTCGGCCTC CCAAAGTGCT GGGATTACAG GCGTGAGCAT TTGCGCCTGG 60 CCAGAAAAAT ACCTTTAAAA AGCTGGGCCT GTTGGTGTAC CTAAAGGATA ATACAGATGT 120 TCCTCTCAAC TTAGCATGGG GGTTGTGTCT CAATAAACCC ATTTTTAAGT TGAAANCGTT 180 ATGTGGAAAA TGCATTTTAT TATACCTAAC CTACTAGACC TCGTAGTTTA GCCTCCCTTA 240
30	CCCTACAGGT GCTCAGAACA CTTTNGNAGG CCCTACAGTT NGGGCAGTCA TCTAACACAA 300 AACCTATTTT ATAGGTAAAA GTNGTTTGAA TATCTCAAAG NTAATTTATT TGAATGGTTN 360 CCACTTGAAT NGCGGANTCN ANGTGTTTNN NAACCNGTNT GGTNNANNN 409
35	SEQ ID No:7239 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08478
40	SEQUENCE DESCRIPTION: GATCTCATAG ACTTAGTACA AAAAAAGGTG AAATGTCTTG ATATTTTTGT ATATTGATTA 60 TTGAAATAAC CTTTTATGTT GGGCTAAATA CAAATATGTT ATTAAAATNA ATTTAACAAC 120 AAA 123
45	SEQ ID NO:7240 SEQUENCE LENGTH:265 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE: HUMGSO8479 SEQUENCE DESCRIPTION:

	GATCTGAGGG GGAGAGGGAC GGGTCGGGCC AGCTGGTCAG GAAGGGCCTT GAGGGCCTGC 60
	AGCCAAGAGT AGCAGTTTTC TCCCCCGTCT TGTTGTTCTT GGTCCCTGGA CCACAGGGCA 120
	CACAGGCCTG GACACCATAA GGCTGGTGGG CTTTCAGAAT TGTGTTAGGG NNNNNNGAGT 180
5	GGCAGGTTCC TGAATCTCGG TCAATATAGT AACCAGCAGG ACAAGAGGTT CAGGAGGAGC 240
	CCACATCAGA GGCTTCTAGG GCAAN 265
	SEQ ID NO:7241
10	SEQUENCE LENGTH: 265
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS08480
	SEQUENCE DESCRIPTION:
15	GATCTCTTGA ATTGCCATCT GTCATCTAAG TCTAAGGCTT TATGCTTAAT GANTTGTGGT 60
	GTACTAGCTG GACTAGCTTC AGGAATGTCA GTGTGTTCTA CCATTAAGGT CAGATTGTCT 120
	ACTACATCGA GATGGTGGTT GTAGTTACAG CTACTTTTAG AAACATGTCT ATTTTTTAAA 180
	GACATAACAC ATGAATGAAG AAATTCAGAA TTTGGAAAAA AGGTCCGTAA TGCCTGACAA 240
20	AGAAAAATGT TCTCCTGAGG GTCTN 265
	SEQ ID NO:7242
	SEQUENCE LENGTH: 138
	SEQUENCE TYPE: nucleic acid
25	TOPOLOGY: linear
	CLONE: HUMGS08481
	SEQUENCE DESCRIPTION:
	GATCCCAGCA CCTTCACATC TTCAGCAACC CAGNNGNTCA AATTTGACCT GGTGTTATTT 60
30	TAGCCCCAAA TTTATGACAT TACACAATAT TAAAATGTAA ATGTTTCTTC ACCCAAACTA 120
50	CTTCTAGATA TNCTNGNN 138
	SEQ ID NO:7243
	SEQUENCE LENGTH: 273
35	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS08482
	SEQUENCE DESCRIPTION:
40	GATCCTTTGA GAGATGGTTT GACTTTCCCC GAGCAAAGAG CCTGCGTTGA AAAGCGGGGG 60
	TGGAATTCAG TCCTCACAGA TAATGAGGGG ACAANACCTA ATTGANCCGN GTATTGCCGG 120
	GAAGGAAAAG GCAACGGGCC AAGCCTTTGA CAGGGTGCGA AACTGACTTT NATCATCGTT 180
	ATAGTCTTTA AATCCTGGGA AACGAGTTGG CAACCCCAAA ATAAAGAAGT GTAATGACGT 240
	CTGATGACTT CACCCAAATA CAGACCATTC CAN 273
45	270. 25. 110. 20. 11.
	SEQ ID NO:7244
	SEQUENCE LENGTH: 132
	SEQUENCE TYPE:nucleic acid
50	TOPOLOGY: linear
	CLONE: HUMGS08483

	SEQUENCE DESCRIPTION:					
	GATCTATAAA ACAGACAGAG A	ATAAGTACAA	CAGAATATCT	CGGGAATGGA	CTCAGAAGTA	60
	TGCCATGTGA TGCTACCTTA A					
5	ATTACTGTTA AA					132
	SEQ ID NO:7245					
	SEQUENCE LENGTH: 321					
10	SEQUENCE TYPE:nucleic a	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08484					
	SEQUENCE DESCRIPTION:					
	GATCCGCCTG CTTCAGCCTC C					
15	CCAGCACTGT GCTGTTTTTG A					
	GATTATNATT ATNCTCACTT T					
	GCCCACATCC CCCAACTAGC A					
	CCATTGCACT CTTTCAAAAT G		ATGITGIGIC	TCATTTTAAA	AAATTAAATA	
20	AAANCTCTTT GGACCAAGAA A	1				321
	SEQ ID NO:7246					
	SEQUENCE LENGTH: 108					
	SEQUENCE TYPE:nucleic a	noid				
25	TOPOLOGY: linear	iciu				
25	CLONE: HUMGS08485					
	SEQUENCE DESCRIPTION:					
	GATCTCCCCA TTTGGAGACA G	AGCCATTTG	GATATTTNCC	CCTTNAACTT	CTCCANNNCC	60
	TGAAGCGTTC CTTCCCTGGA G				0.100,	108
30						
	SEQ ID NO:7247					
	SEQUENCE LENGTH: 139					
	SEQUENCE TYPE: nucleic a	ic i d				
35	TOPOLOGY: linear					
	CLONE: HUMGS08486					
	SEQUENCE DESCRIPTION:					
	GATCTCAGCT CAAATATTCC T	TATGCAGAG	ATGCCTTCCC	CTGATTCCCT	AAACTAGACT	60
40	CGGACCCCTC TGTTCTGCAT C	TCTGTGGCA	TATCATCTGC	CCCTTTTGTA	AAACTTATAA	120
40	ACTTGTGGTT ACTTGTAAA					139
	SEQ ID NO:7248					
	SEQUENCE LENGTH: 244					
45	SEQUENCE TYPE:nucleic a	cid				
	TOPOLOGY: linear					
	CLONE: HUMGS08487					
	SEQUENCE DESCRIPTION:		•			
50	GATCATGTGA GCTCAGGAGT T					
50	TTTTATTCTA TGTTTTAAAA T	TTAAAAATT	AAAAAGAAAA	AAGAATAACA	TTTTATAAGA	120

5	AAATATTTTA TGAGAGACTT TTCCTTATCT CAATAATGCT GAAA					
10	SEQ ID NO:7249 SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08488	acid				
15	SEQUENCE DESCRIPTION: GATCTAACTT GCAGTGTATT TAGGTTACAT AAAGTTTCTA GAAAATATTT ATAATAAAGT	AAGTTTCAAA	GAGTCTTGAT			60 120 155
20	SEQ ID NO:7250 SEQUENCE LENGTH:96 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8489 SEQUENCE DESCRIPTION:	acid		·		
25	GATCGCACTG GAAGATTTTA GGGCCACGTG GGTCCTTCAG			GGGGGGACAG	TAAACTTCCT	60 96
30	SEQ ID NO:7251 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO8490 SEQUENCE DESCRIPTION:	acid				
35	GATCTNATAT TGAACCCTAT TTCCCCGNCT CCACCCAAAT					60 118
40	SEQ ID NO:7252 SEQUENCE LENGTH:391 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8491 SEQUENCE DESCRIPTION:	acid				
45	GATCTGGAAA CTATTTGGNT CACACATCCA CCGGTGGAAG GAGGTTGAGG TGAGAGGTTT TAAAAAAAAT CAAACCAGAA	AGACGCCCGG GCCAGAGTTT	TGAAAACACC GTNTACCTCT	TGTTTGCTTT GGGTATCCCT	CTAAGCCAGT TTGTNTGGGA	180
50	GAGTTTNCTT GTTAAAAAAA AATTTGTTAC ATAAAATGNC AANNNTTCAG TAGNTGGAGA	ANTTTTTTA TTTCTGTGTA	AGTAAGAAAA TANNTTATTC	AAAAAGGTAA	TANCATGGCC	300

5	SEQ ID NO:7253 SEQUENCE LENGTH:385 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08492 SEQUENCE DESCRIPTION:
10	GATCATGAAT CTCTAATAAA TTTAAATCTC TTAAACCAGT AGGTGCTTAA TATTTTTTAA 60 TTTGATTAAT GCCCATTTAA ATCTCATGGG TTCTATTAAA AATATATAT TATAGGGCCC 120 CAATCCATTG CCATCAAATT GCCCTTGGAC TTTTCCAAGG TATATTATGG GGTTTTATGC 180 AAAATTCCAA GCTACCATGT AACTTTTTN AACCATTTAA CAAGGAGGGG GAACTGTTTC 240 CTACCTTCTT TACATGTTGT GCATTGTTGT GGTCCAGAAA TGCCAAACCT TTTTAAAGAT 300 GGTGCAACTT TGAGTCCTTG GCTTGACTAT ACAGGNCTTG AACTTCATGG CATATCAACT 360 TTGNCATATC TGCAGGTGNG CTGTN 385
20	SEQ ID NO:7254 SEQUENCE LENGTH:414 SEQUENCE TYPE:nucleic acid
20	TOPOLOGY:linear CLONE:HUMGS08493 SEQUENCE DESCRIPTION: GATCACCATT TNTTTCCAGG CTTTCTGCCT CCNAGATGTG GCACCATAGT GCGGTGCCCT 60
25	GTGGCTTCAC CGCCCTACTT CCACCTCCGC CCAGCCTGTA ATGTTTATAT AAGCAGCCTC 120 AAGGACCAAG AACCATCTGC GAAAGGACAC ACACAGGAAA TTCATAAAAG AAATCTGANT 180 GGNTAAAACC ATGAAAAAAA GTATGCTTCA TTAGTAATTA AAGAAAGGCA AATAGAGCTG 240 GAAGCNTTTT NCCNTTNGCA AACCATAACA GAAAANNNTA NGACCCAATA TTGGCAAAGA 300
30	GACTACTGAA AANCCATTCC CATACATTGC GTGTGGGNGT ATACATCGGT GCAGGCTTCC 360 TGGATGACAG TTGGGTGATA TGTGTCATGT GGCCTAANAG CCTCCATGTC ANTN 414
35	SEQ ID NO:7255 SEQUENCE LENGTH:207 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08494 SEQUENCE DESCRIPTION:
40	GATCCTGGTT TTGTGATTGA CAATATTTCA TGCTCTGTAG TGAGAGGAGA TTTCCGAAAC 60 TCTGTTGCTA GTTCATTCTG CAGCAAATAA TTATNATGTC TGATGTTGAC TCATTGCAGT 120 TTAAACATTT CTNCTTGTTT GCATCTTAGT AGAAATGGAA AATAACCACT CCTGGTCGTC 180 TTTTCATAAA TTTNCATATT TTTGAAA 207
45	SEQ ID NO:7256 SEQUENCE LENGTH:412 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS08495

	SEQUENCE DESCRIPTION:					
	GATCAAGAGT ACACTTCCTG	GCAGTGATTA	AGGAGTGTGT	ATCTAACAGA	AAAAATATAT	60
	ATACCCTGTG AACCCGAATA	TGGAATTCAG	ATTGTTTCTG	CCCTCAGTAT	CATACTTAAA	120
5	AAACAAGCAT ACAAACAAAC	ATAAGGGAAC	AAACAGCAAC	CATAACAAAA	ACAAACCTTT	180
	AAAGGTGGGT TTTTGCTGTG	ATAAATGAAT	ACGGTACTCT	GAAGGAGAAA	AAAGTTTCTC	240
	AAATGAGCTT AAACTGCAAG	TGATTTAAAA	NTTAGAGAAT	ATAATTCTTA	ANGCTATTGA	300
	AAGTTTCAAC CAGAAANCCT	CANGTGAATT	TTGTATGTAA	ATGGCATCTT	GNNTGTAAGT	360
10	TCTGTGNTTC TTTAGGCAAC	CAATTAGCTG	GAACCTTGGT	TTTGTGTGGT	TN	412
	SEQ ID NO:7257					
	SEQUENCE LENGTH: 406					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS08496					
	SEQUENCE DESCRIPTION:					
	GATCTGCAAA TCAAGCTACA	TGTATTTGTG	TATAAGACCC	TGTGTTCAGG	ACTGGGTGAC	60
20	TTTTCTAAGA AATATGGGGT	TTAGAATGGG	GTTGACTGTA	TTTNTAAACC	TAATTCTGGA	120
	GAGAAGATTG TATTTNTAAC	AGTTTTTTGG	GTTTGGCTTC	CTTCTCACAT	TTCTTTAGCT	180
	TTGAATTTTT ACTAAATAAA	TTTCCTCCTG	ATTAATTTT	TTTTTCCCCA	TCTGGGAATT	240
	TGAAATCTCG GTGCTTACTG	TNACACCAAT	TTGTCCAANG	GGTTGAAATC	ACTITAATGC	300
	CAGACCATGG TAATTTGCAG	CCATTTCAGG	CAGGTGGTGG	NCCTTTTTNA	TACCATCGTT	360
25	ACGGGGTCCC NTTAAATATT	CTGGGGGGTG	ATGTAAATNT	AACGGN		406
	SEQ ID NO:7258					
	SEQUENCE LENGTH: 116					
30	SEQUENCE TYPE:nucleic	acid		•		
	TOPOLOGY: linear					
	CLONE: HUMGS08497					
	SEQUENCE DESCRIPTION:					
	GATCTCCATT TCCGCCAGCT					60
35	ATTTACTGTG ACCAGATGTA	GAATAAATGT	GTCTCATCCT	GCATTTTTT	TCTAAA	116
	OPO ID NO. 7050					
	SEQ ID NO:7259					
	SEQUENCE LENGTH: 435					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear				*	
	CLONE: HUMGS08498 SEQUENCE DESCRIPTION					
		0 + 1 + 0 0 T 0 0 T	TTT 1 0 TTT 1 T	1 T C T 1 C T 1 T T	****	co
45	GATCACTTTT TAGTTAGTTT GTTACTTAAA TTGAACTAAC					
45	GTATATAATC TGACAATGTT					
	ATTTATTTGG AAAGGATTAT					
	CAAGTAATTT TATCATTGTA			-		-
	GTGCATCTTC TATCTGCAAA					
50	GTGGCCCAGG GAAAATGTGT					
	Thin turning neuroconners	Onlilipper	TUUDIONITU	TOTAL	TOUGHT GOOD	TLU

	AAGGTTNCTG TTAAA				-	435
5	SEQ ID NO:7260 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS08499 SEQUENCE DESCRIPTION: GATCAAAAAA GGAATGGATA AA	TACAAAGTGT	TTTGTGAAAT	AAAAGCTCCC	TAAAATGGTA	60 62
15	SEQ ID NO:7261 SEQUENCE LENGTH:389 SEQUENCE TYPE:nucleic TOPOLOGY:Iinear CLONE:HUMGS08500	acid				
20	SEQUENCE DESCRIPTION: GATCGCACCA CTGCACTCCA CAAAAAAGAA GAATAAAATA GAGACTATTA AAGATGTGCC	ATTTGGATGA	AAATCATGTT	TATTTAAATA	GTAATGTCAT	120
25	ATTAATATTA ATATCAAANT CCATTCTCCT TTTACATTTT ATGAAACTGA GTACTAAGAT TTTAAAATAAN GTTGTNCATG	TATTGATANT ATCATGTTTC TTGGTCCAGN	CTTAAATTAT TTTTGAATAT	TGATTATTCC ATGANTTGGC	TTAACGCACT AAAGGCCTTG	240 300
30	SEQ ID NO:7262 SEQUENCE LENGTH:302 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear CLONE: HUMGSO8501 SEQUENCE DESCRIPTION: GATCCCGTGC TACATCTCCT (GAACATCAAC GGGCACCAGG (
40	TGCGTGGTAC CGCGGCGCGN (AGCAGGCCTC CAACGCCCCT (TCCAGCTCTG ACATCCCTTC (AA	CGCCNCCCAA GTGGCCAACT	GCAGGAGTTT GCAAAAAAAG	CTCGACATCG CCTCCAAGGG	AGGACCCATA TTTCGACTGG	180 240
45	SEQ ID NO:7263 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUNGSO8502	acid				
50	SEQUENCE DESCRIPTION: GATCGGAAGG TGGTGAATCT 1	PTCCAGAGCA	GCTGAAAATN	TCAGCATGGA	GACAGTAAGA	60

5	AAAGAGACGG GGTGTGGATA AGACTCTGCC ACCGTGTCAC ACTAGCATAG GAGGCTGCAC 120 GTTCATTTGT TGTTGTTTTT TTTTCCTTTG CCAACCTCCG TTCTATTTAT GTGCAAGCAG 180 TTTGGATTCA AGTTCTTGTA TCTGTCTGTT CTGGGACCTG GGGATTGTNA GGGTTCCCTC 240 ACAGCCAGCA CGACCCCCAG AAAGAGGCGT CCCACAATAA ACACGTCACC TGCTAAA 297
10	SEQ ID NO:7264 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8503 SEQUENCE DESCRIPTION:
15	GATCAACAGT TCTATTACAG ATTAGAATGT TTCACTTCAC
20	SEQ ID NO:7265 SEQUENCE LENGTH:442 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08504 SEQUENCE DESCRIPTION:
25	GATCCCTAAT TGGCCAGGCC TGACCCTCTT GGACCTTCT TCTTTGCCGA CAACCACTGC 60 CCAGCAGCCT CTGGGACCTC GGGGTCCCAG GGAACCCAGT CCAGCCTCCT GGCTGTTGAC 120 TTCCCATTGC TCTTGGAGCC ACCAATCAAA GAGATTCAAA GAGATTCCTG CAGGCCAGAG 180 GCGGAACACA CCTTTATGGC TGGGGCTCTC CGTGGTGTTC TGGACCCAGC CCCTGGAGAC 240 ANCATTCACT TTTACTGCTT TGTAGTGACT CGTGCTCTCC AACCTGTCTT CCTGAAAAAC 300
30	CAAGGCCCNC TCCCCCACC TCTTCCATGG GGTGAGACTT GAGCAGAACA GGGGCTTCNC 360 AAGTTGCCAG AAAGACTGTC TGGGTGAGAA GCATGGCAGA GTTTTTCCCA GGACAGGTGT 420 TGACCAGGGC TTNTTGTTTA TN 442
35	SEQ ID NO:7266 SEQUENCE LENGTH:148 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08505
40	SEQUENCE DESCRIPTION: GATCTTCTGA CATTACTGCT GTCTGAGATT TGTATATGTG TAAATACAAG TTCCTTGATA 60 CCCTAAAACC TTGGATTAAA CAGAATGTGC ATTGTACATC TTTAAACAAA ATGTATATTA 120 ATTTATTAAA TCTAGTTGTC ACTTTAAA
45	SEQ ID NO:7267 SEQUENCE LENGTH:169 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE: HUMGS08506 SEQUENCE DESCRIPTION:

	GATCTTAATT CTGTGTCTTA	ACAGCAGGAG	ATGAAATTCC	CACATGGGAG	ATGGCCTCCC	60
	TGTCACAGGA AGGAATANCA	TTCTCCCTAT	CAATNNNGAG	AAATTGGAAC	TGNGAGAATT	120
	CTGTATAGAC CCTTGTTCAA	GTAATTNTTC	TAGTTTAAAN	CNTCCCAAN		169
5						
	SEQ ID NO:7268					
	SEQUENCE LENGTH:89					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS08507					
	SEQUENCE DESCRIPTION:					
	GATCAAAGAG TCTCATCAAA	GCAAGTTCTT	CCCTCCCTGG	TCCCCTTTGG	CTTTCTGAAA	60
	TNATTAATTA AAAGAAAGGC	CCTAGGAAA				89
15						
	SEQ ID NO:7269					
	SEQUENCE LENGTH: 225					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS08508					
	SEQUENCE DESCRIPTION:					
	GATCATTGNT TTATTTTGTA	GTCCACCTTT	CAATCACTTC	ATGTATATAA	AAAGGGACTT	60
	TGAATGTAAT AGTCTTCATC	TTATTTATTG	AAAAGATGTA	CTAAAGGAAT	GACTATTTTT	120
25	AAAAAAANCT CTAGTATTTA	TCAATATGAC	TCTAAGGGAA	AAATCAAGAA	ANTTAGAGGA	180
	AGGTTCAANT TAGTAGTAAG	GAATAGGANC	NNNCATATNA	NCTNN		225
	SEQ ID NO:7270					
	SEQUENCE LENGTH: 259					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08509					
	SEQUENCE DESCRIPTION:					
35	GATCTGTAGT GATGGAGTTC	CTTCTGGTGT	CAGCCCCACA	GGAGGCTCCC	AGGCCTCCCT	60
	CACTTCCCAT ACCCAGTCTA	GGAGCTCCTT	CTGGCTCCCA	AGCACCCAGA	GCTTTCCTCC	120
	GCCTTTNAGT TTTGGTTCCT	CCACTGGAAT	GTAGGCTCCT	CACGGGCGAT	GGCTGTCTTT	180
	TCTTGACTTT GTATCTTCAC	TGCCAAGCAA	AAAGTCTGCC	AAGTGGGAAT	NTTTAATAAA	240
	TATTCATTGA ATAATGAAA					259
40						
	SEQ ID NO:7271					
	SEQUENCE LENGTH: 357					
	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS08510					
	SEQUENCE DESCRIPTION:					
	GATCCCAGAA GGAATGCTGA					
	AAGGCAACAC AAGCTCGCAA					
50	TOTO ATGOTO AGCOTTATOA	CTTCCCTCCC	TTTACAAACT	CTCTCCCTGC	TCTATATNAA	190

	AGGGAGCAGG TGGAGAGTCA	TTTNCCTTCG	TCCTGCATGT	CTCTAACATT	AATAGAAGGC	240
	ATGGCTCCTG CTGCAACCGC					300
	TTTNATTTTT GAGANGGAAA	AAAAAAGTCA	TGTATATATN	CACATAANGG	CATANAN	357
5						
	SEQ ID NO:7272					
	SEQUENCE LENGTH: 265					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS08511					
	SEQUENCE DESCRIPTION:	*****************	CORCROTTO	0010000000	# . # . # . # . # . # . # . # . # . # .	
	GATCTAAATN AACAGCATTT					60
15	ATGGGCAAAG CCATTAGAAA					
75	TGACTTTAAA CTAGCTCTTT					
	AAAAACTGGG CTTGTNATTT TTACACATAG TAAACTTTCT		AGCITIAAGC	AUAUAUAIAA	GIGCCIIGCA	
	TINCACATAG TAAACTITCI	LIAAA				265
	SEQ ID NO:7273					
20	SEQUENCE LENGTH: 164					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	uciu				
	CLONE: HUMGS08512					
25	SEQUENCE DESCRIPTION:					
	GATCTTCTCT TTTTTTGGGT	TCATTTTGTT	CTGGGTTTTG	GTTTTCTTCA	CAATCTTGAA	60
	CATTTTACAG TAGAACTCAT					
	TTTTCATAAT TAAAAAGAGC					164
30						
30	SEQ ID NO:7274					
	SEQUENCE LENGTH: 243					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS08513					
	SEQUENCE DESCRIPTION:					
	GATCCGTTCC GTGGTCGCCC					60
	AGAGANGAAA GAAGGGCAGG					
40	GAAAGATAAA GATAAGGAAA					
	AAACATGTAT TAANTAGCTT	TTTTAATTTG	TAANTTAANA	TCTTACANAC		
	NNN					243
	SEQ ID NO:7275					
45	SEQUENCE LENGTH: 265					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08514					
	SEQUENCE DESCRIPTION:					
50	GATCACAGGC CTTGAGAGAG	NAGAATAAGA	CACTCTTGGG	GACAGAAAGT	TAAAACACCG	60

5	TGTGTCCTCA CTTATATGTG CAGAGGATAT GGGAAGGTGG AAGGATACAA AATTACCACT ACTGTAGGAT GACTATAGTT	GAAGGGTAGG CGATAGGAGG	GGGAAGGGAA	GGATAGGGAG	AGGTTTGTTA	180
10	SEQ ID NO:7276 SEQUENCE LENGTH:261 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08515	acid				
15	SEQUENCE DESCRIPTION: GATCGCCCGC ATTCCGGAGC TTCCCAAGCC TTCGGGCGTC TTTTTAAAGN ACATGTTTTT TATTTATGTA CTTTNATTTT TCTGGCCCCA GGTAGAAACT	TGTGTGCGCT ATACAAAATA ACACAGAAAC	CTGTGGATGC AGAACAAGGA	CAGGGCCGAC TTTTAATTTT	CAGAGGAGCC NTTAAGTATT	120 180
20	SEQ ID NO:7277 SEQUENCE LENGTH:260 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUMGSO8516 SEQUENCE DESCRIPTION: GATCCACATC TAGTGAAATG TAATACTCAT TTGGGGTTTT					
30	TTCCTGTCTC CGCTGCTCCC TGTGTGTATA TAAGANANNN GACCACTCTG GCAAAGATGN	ACAGTAGGTA	TTGAAACTGG	TAAAANCAGT	TTTTTGATAG	180
35	SEQ ID NO:7278 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08517	acid				
40	SEQUENCE DESCRIPTION: GATCCCACTC CACCCCACCT	CAACTTATTT	AACTTCCTAA	TTAAATCAGA	CTGTTTGAAA	60
45	SEQ ID NO:7279 SEQUENCE LENGTH:156 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08518 SEQUENCE DESCRIPTION:	acid				
50	GATCTGGAGA CTTAAAAAGA CCCTTAAGAA GAAAGCTGTT	_				60 120

	TACATTTATG CTGGATTTTA	TTCAGACCAA	ACTAAA			156
5	SEQ ID NO:7280 SEQUENCE LENGTH:329 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08519	acid				
10	SEQUENCE DESCRIPTION: GATCATTGTT TAGAATATTT CAGTCCCTCC CCTTCACTCA TAGCTTTGGA ATCATGTAGT	CTGCAAGACC	ACCACTGTTG	TGACTTTTAG	CATCTAAATG	120
15	TAATTCAGTA GTTCACTACT TAATTTGTTT AACCATTCAC TGAATAAAGC TGCTTTGAAC	CTGCTGTTTA				
20	SEQ ID NO:7281 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08520	acid				
25	SEQUENCE DESCRIPTION: GATCAGAGAA GACCCCTGAG CAATCATGTC CTGCCCAGGC CTAGCACAAG GTGTATATAT GTTATTTAAG CCCCATGTTG GTTGTCATAA ATAAAACCTG	TGCAGGCTTC GTTTTGTACC TACATTTCTG	ATTAGGCTCC TCTGCCGATG	TGCTGTCCTC GCTGTACATA	CATGATGTGA GTGTATGAAA	180
30	SEQ ID NO:7282					
35	SEQUENCE LENGTH:195 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8521 SEQUENCE DESCRIPTION:	acid				
40	GATCCAATTA TTAGAAAAGC GCAGCCTAGA TTTTACTATA TTATTTTTNA TGTAAAGATA TGACTTTGCT GTAAA	TTTGTTATTG	TTATCAATGG	GGGTTTGTCA	ACCTTAAAAA	120
45	SEQ ID NO:7283 SEQUENCE LENGTH:386 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08522	acid				
50	SEQUENCE DESCRIPTION: GATCTACCTC AGTTAAACAG	TTGGGTGCTA	TTACTAAGTC	TGTCAAATTA	AATTGGAAAA	60

	AGTAACCAAA CGGTGAGATA	CAACTCCACA	TGAAACTTGA	AATTGTAATT	TCCGTTTATT	120
	TAATGATATT TTNATTTAT	TGTGCCTTTT	ATGTTGAACC	CCAATGCATT	GAAAAANTTC	180
	AGTATGAAAC AGTACATAT	TNATTTATAT	TACAGGTGGG	AGAAAAGTCC	AATTGGTCAT	240
5	GGAATTTGAT AGACTTTTC	CCAGCCAACT	GCTACAGTGT	ATTATAATCC	CGACTGCCCC	300
	CCTGTGAAAA GANAAAAAA	ATTGTCCANG	GGCAATTTTN	CCATTTNCNA	ACCANTANNG	360
	NCCANNCTCC TTTAAAANG	I GNGNNN				386
			<i>:</i>			
10	SEQ ID NO:7284					
	SEQUENCE LENGTH: 187	. ,				
	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY:linear CLONE:HUMGS08523					
15	SEQUENCE DESCRIPTION:					
	GATCAGTTAG TAGGCTTTCG		TTTCAATACA	TGTACATCTT	ተ ልሮቸርተተተርል	60
	AAAGTGTTAC AGCTGTCAAA					
	ATGCAAGTNT ACTGTCATTC					
	NACCTNN					187
20						_
	SEQ ID NO:7285					
	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS08524					
	SEQUENCE DESCRIPTION:					
	GATCTCAGAA ATTGTATCTN					
30	AGCGTAAAGA GGATGTNTGG	CATTINNACT	TTTGGCTTGT	AAAGTACNGG	CTN	113
	SEQ ID NO:7286					
	SEQUENCE LENGTH: 120					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY: linear	5014				
	CLONE: HUMGS08525					
	SEQUENCE DESCRIPTION:					
	GATCAAAGAG TAAGCCACAC	ACGGATAATC	AGTTACTAGG	GATGGAGGTG	TGAGGGTTCA	60
40	TTATATTATT CATTTTACTG	TTGTATATGT	TTGAAAATNT	CTATAATAAA	AAGCTTTAAA	120
	SEQ ID NO:7287					
	SEQUENCE LENGTH: 65					
4-	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE:HUMGS08526 SEQUENCE DESCRIPTION:					
	GATCATGTGT ATGAATTGTT	CCTCCTCT A ▲	ACAACACCAC	****	<u> </u>	60
	TTAAA	MAIOIODID	AUAMONUCAL	MINAMAIN	AILLIUAAAI	65
						vv

	SEQ ID NO:7288					•
	SEQUENCE LENGTH: 110 SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY: linear	4014				
	CLONE: HUMGS08527					
	SEQUENCE DESCRIPTION:				•	
	GATCCGNCCG CCTCAGCCTC					
10	CCCCATTCCT CACTTTAGCC	TCAGGCAGAG	AAGACNGCGC	GATGGGGNNN		110
	SEQ ID NO:7289					
	SEQUENCE LENGTH: 296					
15	SEQUENCE TYPE:nucleic	acid				
7.5	TOPOLOGY: linear					
	CLONE: HUMGS08528					
	SEQUENCE DESCRIPTION:					
	GATCTGCGAC ACTGTGGACT					
20	ATAGTTGTTC AGCAATAATT					
	AGGCAGCCTT CTTGACTATA					
	AACCAGTTAG TGCCTTCTAG					
	ACAAGNNTCT AAATATAATA	CCTTTNAATA	AAAAGGNTAA	TTNNGNCCCT	CTGAAA	296
25	SEQ ID NO:7290					
	SEQUENCE LENGTH: 381					
	SEQUENCE TYPE: nucleic	aaid				
	TOPOLOGY: linear	aciu				
30	CLONE: HUMGS08529	•				
	SEQUENCE DESCRIPTION:					
	GATCAGGTCC AAGCAAAACG	TCCAGAGTGC	TACAAAATGT	TGCGTTCTCA	GTCCAAAAAG	60
	AAGTGGAAAA GAATCTGAAG					
	CCAGAACACT ATTCAACCAA					
35	GAAGAATTGT AACCATATTT					
	AAATTGCCCC GGATGTGGAT					
	TGAATAACAC AGGAGGATGG					
	CTTTCTTCAT TGGTNCTTTC		101000110001	00011110101		381
40		••				-
	SEQ ID NO:7291					
	SEQUENCE LENGTH:51					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS08530					
	SEQUENCE DESCRIPTION:					
	GATCACCCCC GCCGACGGCC	CCGGGCCCCG	ACGGCCCGGA	AGTTCCGCAA	A	51
50						
	SEQ ID NO:7292					

55

SEQUENCE LENGTH: 347

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08531 SEQUENCE DESCRIPTION:
·	GATCATTCTG TTCTTTCAAG GAGAAATAAG CCTAAAAGAA GAAAAACAAA AAAAATTCTG 60 TATAAAACTG TAATCCTTTG TATTCATGTT TACAGTGCTA TTACTATAAT NCAAAATTAT 120
	GTATGTGACT TAGAGTTATA TAATCATAAT TTATGTTTAT TTCAAATATC TAAGTTTATT 180
10	GCTTGGATTT CTAGTGAGAG CTGTTGAATT TGGTGATGTC AAATGTTTCT AGGGTTTTTT 240
	TAGTTTGTTT TTATTGAAAA NTTTAATNAT TTATGCTATA GGTGATATTC TCTTTGAATA 300 AACCNATAAT AGAAAATAGC AGNCACCATA ANCATCTTTG TAAATNN 347
	SEQ ID NO:7293
15	SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS08532
20	SEQUENCE DESCRIPTION:
20	GATCCAGAAA CTTTTCCCAA GAAGCTTGGA CATGGATTGC TGGTAAACAC AAAAACTGCA 60
	TGGAGGGCAG AGCAGCCGGT TGACTCCCCC TTGTCAATAT CTTAAAGTGG AAAAGCTTGA 120
	AA 122
25	SEQ ID NO:7294
	SEQUENCE LENGTH: 138
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
30	CLONE: HUMGS08533
	SEQUENCE DESCRIPTION: GATCATCTTT CCTGTTCCAG AGAAGTGGGC TGGATGTCTC CATCTCTGTC TCAACTTTAC 60
	GATUATUTT COTGTTCCAG AGAAGTGGGC TGGATGTCTC CATCTCTGTC TCAACTTTAC 60 GTGTACTGAG CTGCAACTTC TTAACTTCCC TAACTNAAAG ANCGACTCTG ACAGAAACTN 120
	THITTHCHCA ACAGTITH 138
35	
	SEQ ID NO:7295
	SEQUENCE LENGTH: 211
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
40	CLONE: HUMGSO8534
	SEQUENCE DESCRIPTION:
	GATCCTTCCG GNGGAGTGTC GGAGAAGAGA GCTTGCCGAC GATGCCTTCC TGTGCAGAGC 60
	TTGGGCATNT CCTTTACGCC AGGGTGAGGA AGACACCAGG ACAATGACAG CATCGGGTGT 120
45	TGTTCTCATC ACAGCGCCTC AGTTAGAGGA TGTTCCTCTT GGTGACCTCA TGTAATTAGC 180
	TCATTCAATA AAGCACTTTC TTTATTTTAA A 211
	SEQ ID NO:7296
50	SEQUENCE LENGTH: 152
50	SEQUENCE TYPE: pucleic acid

	TOPOLOGY:linear					
	CLONE: HUMGS08535					
	SEQUENCE DESCRIPTION:					
5	GATCAACGGT ACTTGTTTTA	AAGAAGCTTA	TGTGGACTTT	GTCTTTTCTC	GTTGCCACAA	60
	CCTCTTTTAA TGTGCCTATA	GTCCACTATA	GCATGCATAT	CTCAAATTGC	AATTCCTTGC	120
	AATTCTGGAA TAAACGCTTT	ATTTTGGAGA	AA			152
	SEQ ID NO:7297					
10	SEQUENCE LENGTH: 381					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08536					
15	SEQUENCE DESCRIPTION:					
	GATCTGCTGA CTTATATAAA	GCTTTTTGAT	TCCTACTAAG	CTTTAAGATT	TAAAAAATGT	60
	TCAATGTTGA AATTTCTGTG	GGGCTCTATT	TTTNCTTTGG	CTTTCTGGTG	AGAGAGTGAG	120
	GAAGCATTCT TTCCTTCACT	AAGTTTGTNT	TTCTTGTCTT	CTGGATAGAT	TGATTTTAAG	180
	AGACTAAGGG AATTTACAAA	CTAAAGATTT	TAGTCATCTG	GTGGAAAAGG	AGACTTTAAG	240
20	ATTGTTTAGG GCTGGGCGGG	GTGACTCACA	TCTGTAATCC	CAGCACTTTG	GGAGGCCAAG	300
	GCAGGCAGAC CACTTGANGG	AGTTCGGGNC	CAGCGTGGCC	ACCGTGGTGA	ANCCCTGTNT	360
	CTNCTAAAAA TNCAAAATTT	N .				381
	SEQ ID NO:7298					
25	SEQUENCE LENGTH: 379					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS08537					
30	SEQUENCE DESCRIPTION:					
	GATCAACAGC CTCCTCTT	GGGGACTCTC	AAGAGCCTGT	ΤΤΤΟΔΤΟΤΔG	AAGTAGTAGT	60
	TTGATTCTGG TTTCCCTCCT					
	TAGGGGACTT GGTTTTAGAC					
	GTGGGAAGGA GCAGAAAGCT					
35	GCTTCAGANT TCAGAGGGTT					
	CTCTACAGGA ATCTNTGGAA					
	TNTGTGAATA CCCTACCCN					379
40						
40	SEQ ID NO:7299					
	SEQUENCE LENGTH: 82					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS08538					
	SEQUENCE DESCRIPTION:				mm.045	
	GATCATTACA AACAAAAACT		TATATTTGAT	TCAATGGAAT	TTACCTAAAA	60
	AATAAAGACT AAAAATGTGA	AA				82
50	SEQ ID NO:7300					

	SEQUENCE LENGTH: 225					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS08539					
	SEQUENCE DESCRIPTION:					
	GATCCCTTTA TTGACAGCCA	GTTTGAGGAC	ACTGTCCCAG	CATCTCTAAT	GGAGCCTGAG	60
	CCGGTGTGAG GACCAGGATG					120
	AATNATGGGG CTCCCCAGAG					
10	GCCATGTGCA CACTCCTGGT					225
	SEQ ID NO:7301					
	SEQUENCE LENGTH: 216					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	40.4				
	CLONE: HUMGS08540					
	SEQUENCE DESCRIPTION:					
	GATCATGCAT GCCAATCCCT	GTTGCCGCAT	GGAGCTCCTC	AGCCCACTGA	CCTCTCCGTG	60
20	CCTGGTGCAG GCCAGGCCCC					
	TGGTGTTTCT ACGGTGTCTG					
	GCCTTAAACT GAAGTAAATN			MOMOTOTOTO	10100121111	216
	dedition distanting	1001101111	NGTIEE!			
25	SEQ ID NO:7302					
	SEQUENCE LENGTH: 374					
	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY: linear	4014				
	CLONE: HUMGS08541					
30	SEQUENCE DESCRIPTION:					
	GATCAATTCA TGCAAGATAT	AATCATATTT	TTTAATTAAG	AAAATTTTTT	TTGTAGAGAT	60
	GGGGTTATGC TGTGTTGCCT					
	TTTGGCCTCC TAAGGTGCTG					
35	TATCATTATA AATATATATG					
	TAGATTTAAA GGGAGAAATA					
	CAGCATTGGA CAGATTTTCT					
	ACACCAAATG GTCN		•	•		374
40	SEQ ID NO:7303					
	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS08542					
=	SEQUENCE DESCRIPTION:					
	GATCCCATTT CTATGAAATG	TCCAGGGCAG	GCCCAGCCAC	AGAGACAGGG	AGTAACGTGG	60
	TGGTTTATTA TAAATTTTTC					113
50	SEQ ID NO:7304					

5	SEQUENCE LENGTH: 286 SEQUENCE TYPE: nucleic TOPOLOGY: linear .CLONE: HUMGS08543	acid				
10	SEQUENCE DESCRIPTION: GATCTGCACA GCCTCTAGAG CACACTCTCG TTCATCAACA CAGACTGTTA CAGATTATGA GTTTTTGACT TTTTACTAAG TATTTTATAA TAATAATGAT	TCACAACTGG GTCAACACGT TGAATATTAT	AATTCGGGAT ATATTTTCTC TTTTTAAATC	TTGTGAAGTT TTTCAAAATA TGCCTATATA	TAGAGCTGNA ATAATATTTC	120 180
15	SEQ ID NO:7305 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08544	acid			· .	
20	SEQUENCE DESCRIPTION: GATCTAAATN ATGTACTTGT ACTCAGTACT GATGTCCTTG					60 116
25	SEQ ID NO:7306 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08545	acid				
30	SEQUENCE DESCRIPTION: GATCCCAAGT CTACCCTGGA TTAGAAGCTT TATAATCCCG CCTTTCATTA CCTGAAA					
35	SEQ ID NO:7307 SEQUENCE LENGTH:317 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS08546 SEQUENCE DESCRIPTION: GATCCCAGCT TGGTGGGAAA					
45	ATAGTGACCT TTATTTAAAT NTAAACAGCC AATTTCTAAG AGATGCAGGT TCCTGCTCAT TAGATTATCC CTGTGAATAA AAGGNTATAA ACANNAN	CAGACAGGAA TCCAGTAATG	AACTAAATAA TCTTTGAAAG	TAAGTTNATT CANNNCTNAT	NATATAACAA ATTTNTTTTC	180 240
50	SEQ ID NO:7308 SEQUENCE LENGTH:337					

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8547 SEQUENCE DESCRIPTION:
	GATCTGTCAG AAAAGACATA TTTTTGAGAT AAAGGAGTTT CTAAATAATG AATTATTGTT 60 TAGTACCAGC TTTTGGAATC CTTACATTTT AAGGAACTTG AATAATTTAA ATATTAGATA 120
10	ATGTAACTCC TCATAAAAAC AGTGTCTAGA CAAGGGCCAA TATTGCATTG AGATTGGATG 180 AACATTTAT TTTGCATATA ATTGTTGTCT ATAAAACAAA ATACTAATAA TAATGGCTAC 240 CNGTTAGNCA NTTTAGNNCN TGTCTTACTA TTTACCNNTG TGGNAAAACA TTGCATGNTT 300 TAATNTTTTT CTAATAAAAT ATTNTNCCAT TANCNNN 337
15	SEQ ID NO:7309 SEQUENCE LENGTH:389 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08548
20	SEQUENCE DESCRIPTION: GATCCCACCA ATCCTCGTTC CCCCTAAACA TGCTAACAAA AATCCCTTAT TGTGGGTATT 60 AAAATAATAA CAGTTACACT GTATGCATAT TTATGTGCTC CTTTTGTCTG GTTTTNCTTT 120
25	TCATCATGTA TAAGCTGAAT TCAGCATTAG TTTCTCACAT CTTCCCCCAG GTATCCCCAA 180 CAGAATTTTT ATGTCCCAGC TTGTATTAAA TAGAAGTGAA ATATTAAGGA AAATAAGGAA 240 CTTGTGCAAC TTTTTTNATG CATTGTTCTC AACCATTTAA TTTATTGAAA GGAGATGCTG 300 CAACAGTTCT TGATTTAGCA GCAGTTATTC TCTTGTTTAC ATAGTTATGG TTTTNTGTTG 360 TTGGTTTTTG CTCTGGTACT GGGAACCGN 389
30	SEQ ID NO:7310 SEQUENCE LENGTH:367 SEQUENCE TYPE:nucleic acid
35	TOPOLOGY: linear CLONE: HUMGSO8549 SEQUENCE DESCRIPTION: GATCCAGGTC TTCTGATTCT TATTCCAGTG TCCTTTCTAG CATACCATGT TGCCTCTAAA 60 GATTGCAGCT CCTTATTTAC TAGAAAATTG TTCCTGCCCA ATCTACATCT CCACCTCACC 120
40	CCATCTTTC TTAAGCACTA TGTTTGTGTT TTTATCAGTA TTATATCAT TGTCTTTGGA 180 ATACATGTTC TTGTTTGTGT TTGGAAAAAA AATCTCTTTT ACCAGCTTGC ACTCGGACCA 240 ACTTGGAAAA AAAAANGCTT AAATGTTTTN GCTATGTNCA GTTTAAAAAT GTGAAGTTTG 300 TNGCTTTANC TTTTTGTAGG AAAATCTANT ANCACTGGCT TAAGTGCTGA CTTGAAATGC 360 TATCCAN 367
4 5	SEQ ID NO:7311 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE: HUNGSO8550 SEQUENCE DESCRIPTION:

	GATCCAGCGA ACCACTGCAC	TCTAGCTGGG	GAGACAGAGC	AAGACTCCGT	CTCAAA	56
5	SEQ ID NO:7312 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08551	acid				
10	SEQUENCE DESCRIPTION: GATCTCTTCC CTTAGGAAAT ACGTACTTTG AAGCATGGAG			GTCAGAGTCA	TGGTGTGATG	60 92
15	SEQ ID NO:7313 SEQUENCE LENGTH:368 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08552	acid				
20	SEQUENCE DESCRIPTION: GATCCACTTA TGAACTGAAC TAGGGATAGA TAATAAGCTC GTCTGTCAAC TATTCTACTT	TTCTTATTCA	TGTGTAAGGG	AGGTCCATAG	AATTTAGGTG	120
25	ATAAAGTGAG CATTTATTGA TTGTGCACAC ATGGAGAGAA ATTTACCAAT AAAATTATAT GGGGTCAN	GCATTTTTNC CATGAGTCTC	ATGTGCCAGA TCTTAATTTT	GCCTGTACTG TATCTGGTTG	GAGGCCCCCA CTAAAGAATT	240 300
30	SEQ ID NO:7314 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic	acid				-
35	TOPOLOGY:linear CLONE:HUMGSO8553 SEQUENCE DESCRIPTION: GATCACACCA CTGTACTCCA AAAAGAAAAT ATAGTTTGAT GCTAAGTAAA TTAGTAATGT	GCCTGGATGA TCTTCATTTT	TTTAAATTTG	CAAATCTCAG	GATAAAGTTT	
40	AATCTGTAAT TGCTTATTGT CTTTTGTAAC TTGATGGCTT					240 297
45	SEQ ID NO:7315 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08554 SEQUENCE DESCRIPTION:	acid				
50	GATCTTTGAA TGAGCTTTTT AATAAAGAAT CATTTAAATC		TATTATATAT	TGTTTGTTAA	AGTTTATTGA	60 86

	SEQ ID NO:7316					
	SEQUENCE LENGTH: 356					
	SEQUENCE TYPE: nuclei	e acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS08555					
	SEQUENCE DESCRIPTION	:				
	GATCCAAATT GTGAAGCCG	TGGTCAGGTG	CCTGGCTACA	CACAAAATGG	TGGAGGCTTA	60
	GCCTAAACAG TTTCTTCAT	TCACATTAAA	ATCCTAATTN	NTGGCTCCTC	TCAAAATGAG	120
10	TTCTAGAAGC ACNGGNTGTA					
	CTCCCTGCAG CCAGCTGGAG	CCTGCCAGTT	TTCCCTAGTG	CCCAGCACTC	CTGAGCTTCT	240
,	GCCCTCCGAG GGATTCCCGA	AGTTTTTTCT	AATGGGNTTA	GTGGNGNCNC	CTTTGGGGTT	300
	GCTTNGGTTT CNTTTNGTT					356
15						
	SEQ ID NO:7317					
	SEQUENCE LENGTH: 349					
	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY:linear					
20	CLONE: HUMGS08556					
	SEQUENCE DESCRIPTION					
	GATCTGTGGG ACTGTCTGG	CCTGTTACTC	ATCCTGCTAT	CAATTTCTTA	TTAATTAATC	60
	TTGATGATTC TNATTAATTA	ATCACATTTG	CAGGAAATTC	AGATGAGGCA	AGAAAATTTN	120
25	ATTGGCCTGG GNNNGACTGA	AAGCATTCCA	AATTAGGCTT	AGACTGTGCA	AAGGGCTTAG	180
	CTAAGTTATC GAGCTTAAA	CCCGTCAATT	AANCAAACAT	TATTTGANCA	GTTACTGCAT	240
	GCCACGCACT GTGTTGGGC	TAGTAATAAA	ANNNAGNAAA	GGTAAGNGCT	TGTNCTNGCC	300
	TAAATTAAAG GGTCCCCGG	GGTTTTTTCT	NGAGGGGGCN	NCTGCCCCN		349
20						
30	SEQ ID NO:7318					
	SEQUENCE LENGTH: 351					
	SEQUENCE TYPE: nuclei	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS08557					
	SEQUENCE DESCRIPTION	:				
	GATCACCTGA GGTCAGGAG	TCAAGACCAG	CCTGGCCAAC	ATGGTGAAAC	GCTGTCTCTG	60
	CTAAAANTAC AAAANTTAG	TGGGCATGGT	GGTGGGCACC	TGTAATCCCA	GCTACTCGGG	120
40	AGGCTGAGGC AGGAGANTC	G CTTGATTCCA	GGAGGCAGAG	GTTGCAGTGA	GCCAAGACTG	180
40	CACTGTTGCA CTCCAACCT					
	TAATTATTCT AAAAAAAAT	CAGCCAGGTT	ATTCCAAATT	NTAATTGAAA	NCNGGGGCCC	300
	CAGGTTAANC GGGGCCTTA	CCTTCCCTTN	GCNCTTTGGA	NTTTNNCCAT	N	351
45	SEQ ID NO:7319					
	SEQUENCE LENGTH: 333					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08558					

	SEQUENCE DESCRIPTION:					
	GATCAGCAGT GTTGACCATT	TATGCTGCAT	AGCTGGTATT	ATAGCCTTAT	TAGTTGTGTG	60
	GTTGACCCTT GGGGTATACA					
5	TGAATGATTG TGCATGTTTT					
	AAAACCATTA CATTAAGATA					
	GTACCCCTTA ACCTGTCTTC					
	TGTGGAAAAC CANNAAAANN		-	dindidinin	IDIT TIDDITAL	333
	101001DDDO CMMDBAM	***************************************	11111			000
10	SEQ ID NO:7320					
	SEQUENCE LENGTH: 192					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
15	CLONE: HUMGS08559					
15	SEQUENCE DESCRIPTION:					
	GATCAGCTGA AGGTTCATGG	CTTTT	で ずですででですで	<i>አርተር ነ አርርተ</i> ዋ	AAGTGAGGAT	60
	TTCCTTGCAA TGAGTAGAAT					
20	TGATAATGTA CCATTGGGGN	CCGIIIIAAC	IGGGCCIAGG	NACCCCCTCA	NGAATAACCI	
*	GNAAGGGCCA AA					192
	000 ID NO 7001					
	SEQ ID NO:7321					
	SEQUENCE LENGTH: 55					
25	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08560					
	SEQUENCE DESCRIPTION:					
30	GATCGTGCCA TTCCACTCCA	GCTTGGACAA	CAAGAGCAAA	ACTCCGTTTA	TTAAA	55
	SEQ ID NO:7322					
	SEQUENCE LENGTH: 78					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS08561					
	SEQUENCE DESCRIPTION:					
	GATCAGACCC CCACAATATG	TCTCAACCTC	TGTTGAAGGG	CTAGTGATGT	TTAAAAAAAC	60
40	CTGTTATTTC CAATCAAA					78
40						
	SEQ ID NO:7323					
	SEQUENCE LENGTH: 375					
	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS08563					
	SEQUENCE DESCRIPTION:					
	GATCTGGTAT TTCCTGGACT					
50	AAAGAGAAGG ACTCTTCCAG	AGTCATCTAC	CTGAGTCCCA	AAGCTCCCTG	TCCTGAAAGC	120
50	CACAGACAAT ATGGTCCCAA	ATAACTGACT	GCACCTTCTG	TGCCTCAGCC	GTTCTTGACA	180

5	TCAAGAATCT TCTGTTCCAC ACAGATGTAG CAACATGAGA TCTATATGAC TTCAGAAATG GTTTCAAGGT GGAAA	AACGCTTATG	TTACAGGTTA	CATGAGAGCA	ATCATGTAAG	300
10	SEQ ID NO:7324 SEQUENCE LENGTH:271 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08564	acid				
15	SEQUENCE DESCRIPTION: GATCCACCTG CCTCGGCCTC CCGCTTTCGA TATTTTCTAA AAACATAATA AAAATTGAAA TGTATGGATT CAGAATATAC AAAATAATAA ACGTGTTCTG	ACTTTAATTC TGAAAGAATA TAAATTAACT	AAAAGCACTT ATTGTTATTA TTTTAAAACA	TGTGCTGTGT TAAAAGTACT	TCTATATAAA AGCTTACTTT	180
20	SEQ ID NO:7325					
	SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	·			
25	CLONE:HUMGS08565 SEQUENCE DESCRIPTION: GATCCCCTGA GTTCAAGAGT AATAAATAAA TAAATAAACA				CAGAAAAATA	60 102
30	SEQ ID NO:7326 SEQUENCE LENGTH:216 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS08566 SEQUENCE DESCRIPTION: GATCATGAGG TCAGGAGACC		CTCCCTCACA	CGGTGAGACC	NCCTCTNT AC	60
40	TAAAAATACA AAAGCAAAAA TNGGGAGGCT GAGGCAGGAG ATGGCACCAC TGCACTCCAG	TTAACTGGGT AATGGCATGA	GTGGTGGCGG ACCTGGGAGG	GTGCCTGCAG	TCCCAGCTAC	120
45	SEQ ID NO:7327 SEQUENCE LENGTH:176 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08567 SEQUENCE DESCRIPTION:	acid				
50	GATCTGCTCT CTGTTGAGAG CCAATGAAGG TGGGTGTGTA					60 120

	GGTTAGAGTT CTAAGTGGTA	CTTATTTTTG	TTTGGTTAGG	GGAAAGCCTG	AATAAA	176
5	SEQ ID NO:7328 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS08568 SEQUENCE DESCRIPTION: GATCTCTGGC TGTTTGATTT GTGAGCACCA AGTACCACTA				ACAGTGCCCT	60 106
15	SEQ ID NO:7329 SEQUENCE LENGTH:379 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS08569 SEQUENCE DESCRIPTION: GATCCGGCAG GCAGAGAGGA AGTGCTGTGT ACTTAGGTTC TTTTAATCTN NCTATTTNAT	TTCCTGTGCT	TCAGTCTTTC	CAATAAATCC	AGGGGTTAGG	120
25	GATAAAAGTA CTTAGATGGA AACATCATTG TGAAATTTGG CTNTACCCGG TACCATGCAA TAATTNTTTT TTATAATNN	CTAGCAGCTT TTTAGTTAAC	CTCTCACCAA ATGCATTCCC	TTATTTCACC TGGCCTGCCT	ACACAAAGNT CACACCGGAC	240 300
30	SEQ ID NO:7330 SEQUENCE LENGTH:271 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS08570 SEQUENCE DESCRIPTION: GATCCCAGCA GAATACCAAA ACTGAAATNA ATTTGGAGGC CAATTATTTA ATGTTAAGTT	ACTGATGAAA	GTAATTTTTT	NAAAGTTCTC	AGGTACTGTT	
40	GTTTATNATA CAGAATATTT TTGATAATAA ATGGAAAANT	NATTACATTT	GCAATATCTT			
45	SEQ ID NO:7331 SEQUENCE LENGTH:382 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08571 SEQUENCE DESCRIPTION:	acid				
50	GATEGACETG CETETGETTE					60 120

	AGAATGAAGT GTTATAAAGG CGTTAAGTAG TAGGGNGGCA TAAAACTTAA ATCTTTAAGC 180)
	TAGAAATAGC TTGAGGAATT ATCTGATGCA GTACTCTGTT GTAATATAAC AAAAATGGAA 240)
	TCACAGTTTT ACAAATCAGG CAGCTGCAGC TCAGNGAGGT TAAATTTCCA CAGACCTGTT 300)
5	TATGCAGCGC GGTAANTGAG GAAGTAGACC TAAAATTTGG GGCCTCTGCT ACTCTGGGCC 360)
	ATTACCTCAG CCTCGCTGGC AN 382	
	SEQ ID NO:7332	
10	SEQUENCE LENGTH: 315	
10	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08572	
	SEQUENCE DESCRIPTION:	
15	GATCTCACAG GAATCCTTCA ACTGCTTTCT ACCAAGCGTT CCATTTGAAC ACGTTAAAGG 60	
	AATCAAAGAG CCTCTGGGAT AGGGGGGAAA NCACATGGTA TCTAGCATGG GACAAAGCAG 120	
	CAAAATAAAC CAAAAGGACA ATCTCTATTT TATATAGAAA ATAAACATAC TTTTCTGCAT 180	
	CCTGTGTACT TTAAGTATAT CTATATTTTT GAAGGGTTCA TACTGTGTTG AATTTTTCTT 240	
20	ATGAAATAGT CACTTCCCCA GTGTATTTTA ATGCAAATGC ATATTCTATA AAATAACCTA 300	
20	TATTTTAATT TTAAA 315	
	SEQ ID NO:7333	
	SEQUENCE LENGTH: 104	
25	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS08573	
	SEQUENCE DESCRIPTION:	
20	GATCTTTAAT ATCTGATATA TTCCTGGTAC TCGTACTGAT AAGGGATTAT TGGAAGTCAG 60	
30	TCACAGAATT TGGAAATAAA TTCTAGTCTN TCCTTAGCTN NNNN 104	
	SEQ ID NO:7334	
	SEQUENCE LENGTH: 140	
35	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08574	
	SEQUENCE DESCRIPTION:	
40	GATCTACCTG AGGCTCAGTC CTCATCTGTA AAATGCTGAT AAAAGGACCT ACCACCTAGC 60	
40	GTTGCTGTGA GGTGTCAGTG AAATAAAATG TAAAATGCTT AGCACAGTGA ACTTTAATAA 120	
	ATGGTAGTTG TGGTTGCAAA 140	ŀ
	SEQ ID NO:7335	
45	SEQUENCE LENGTH: 93	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08575	
50	SEQUENCE DESCRIPTION: GATCTAAAGT CTAAAAAACA AATCCTTAGG TTAAGAAGAA AATAATGCAA TAAATAAAAT 60	
	UNICIAMAUI CIAMAMAKALA MAICCIINUU IIMAUMAUMA MAIMAICAM IAMAIAMANI DU	,

	GTTATAAATA AATGACATAT	TGCNACTTTT	AAA			93
5	SEQ ID NO:7336 SEQUENCE LENGTH:96 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08576	acid				
10	SEQUENCE DESCRIPTION: GATCATACCC ATGAAACCCA ATCTCTTCAT TTTAAAATAA			TCAATGTTTT	TCTGTATTTN	60 96
15	SEQ ID NO:7337 SEQUENCE LENGTH:224 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08577	acid				
20	SEQUENCE DESCRIPTION: GATCTAAAAG CAGATGCTGT TAAAGGGCTT CACTAAGGGT AGGCAATAAC CTTATGCATG CAATTAATGC GGCAGTTGTG	NNNNNATGTA AACATTTCCC	CCATTGTAGG AGACTTTCAT	GGGCAATTTT GAAGCTGTTG	AAGTCAGCTA	
25	SEC ID NO. 7220					
30	SEQ ID NO:7338 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8578 SEQUENCE DESCRIPTION:					
35	GATCNATATT TAGTGACTGC AGTTATACAA ATAATGCATA GTATAATGTT CTTGTGCTTT	TATTGATAAC	TTTTATTGCA	AAAATGTAAA	TTTAAAACTT	
40	SEQ ID NO:7339 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8579 SEQUENCE DESCRIPTION	acid				
45	GATCTGAGGA TGGTTATAAA AAAGCTGTTT ATNATNATAT ATATTTATTT AATGCACTCT	CATTCCTGAT				
50	SEQ ID NO:7340 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS08580 SEQUENCE DESCRIPTION: GATCACTTGA TTTTTAAGAA AGTCCAGCTT TAGTTTTNTO	ATNAAAAATT			ACCAGGCAAT	60 106
10	SEQ ID NO:7341 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS08581 SEQUENCE DESCRIPTION: GATCTCAAAG CAAATCTGTA GTGGAAATAA TAAAAGGAAA			ACTAGTATTA	CCAGTGACTA	60 93
20	SEQ ID NO:7342 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS08582 SEQUENCE DESCRIPTION: GATCTTCGCT CCAGCTTTCT AATCCAAATA TTGTCGNATG GGAGTTCTCT GTGAGGTGTG	TATGCCTAAT	TTAGAATGAA	ATCTTGGGGT	GGCAGACTCT	120 180
30	TCACTTTGTT AAA					193
35	SEQ ID NO:7343 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08583 SEQUENCE DESCRIPTION:	acid				
40	GATCTATAAT AAGAGCTCAA TTATGAAAGG GTGTGGCAAT TCTACATNCA TGTGAAA					60 120 137
45	SEQ ID NO:7344 SEQUENCE LENGTH:389 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO8584 SEQUENCE DESCRIPTION:					
50	GATCCCTGGT ATMGTCCGAA TGGTCCCTGC CTCCAGTACT AGAGACAAGT TGGANACCTT	TGTAGTACAT	CTNAAGCNAT	TTTNTTACAG	TCGATACATG	120

5	TTAATTAATC CAAATGCAGG GGAGGGATGG GAGGAGGACA TACTATTTTG ATGACAGTNG GCATNTGTAC TCTTCTACCA	CTATACTGCT TGTCTCCACT	TTTGCAAAAN	ATAACGATGA	TGGAAANTGG	300
10	SEQ ID NO:7345 SEQUENCE LENGTH:367 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08585	acid				
15	SEQUENCE DESCRIPTION: GATCTGTTAC CATCAGGTCA ACCTATGTTG AAAACCCCTG AATCATATCA TCTGAAATAT TACAATAACT CTTACCTAAT TTTAAAAAGAT GTGTGAAATG	AAAATTCACT TACAAATTTC TATTCTTACA TTCTCTGCAA	GAAGAAAAT AAATTTCTAG AGTTTTAAGT AATAATTCAG	CATTACTCTT GTGCTATATT TGTGGTAGTT GCCACTGTCT	NTTCTCNGTA AATTCAATAT TAGTGATTTT CCTTTTATAT	120 180 240 300
20	ATNATNATNN TNGTNTGTGA AATTNTN	TGANGACCAG	TGAATTACGA	TATTTAAAGT	GAGAGACCTT	360 367
25	SEQ ID NO:7346 SEQUENCE LENGTH:23 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08586 SEQUENCE DESCRIPTION:	acid				
30	GATCCCGTCT ATAATCNAAC	AAA				23
35	SEQ ID NO:7347 SEQUENCE LENGTH:103 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08587 SEQUENCE DESCRIPTION:	acid				
40	GATCGGCTCC CTGTCGCGCC NNGAGACTGG GTGGGGAGGG				CTTGGGNGCG	60 103
45	SEQ ID NO:7348 SEQUENCE LENGTH:367 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08588 SEQUENCE DESCRIPTION:	acid				
50	GATCTGGTGG CTGGAAAAAC GTGGTTTTAC ATCCAAGACA TGGANATTCC CTGATGGANG	TTACACATTT	GCATCTGGTT	CTCCAGATAA	CATAAAGCAG	120

	ACATTGACGG TAAATNCTGA	TGGAGTGCTT	GTATCTGGAG	ACAGAAGAAA	CTCATCCAGT	240
	CAGCTGGAAA CCAGAAATTA	TCAAGNGAAA	GNGATTTTAA	TGAATGTGGA	ATTTTTCCTC	300
	TCTCTTTTTT TTTCTTTTTA	ATTAAAANAA	AAAAGGCTTG	GNGTTCATGG	GGGNTTTCCC	360
5	GNCCTTN					367
	SEQ ID NO:7349					
	SEQUENCE LENGTH: 22					
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08589					
	SEQUENCE DESCRIPTION:					
	GATCCCGCCT NTTTCTTACA	AA				22
15						
	SEQ ID NO:7350					
	SEQUENCE LENGTH: 378					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS08591					
	SEQUENCE DESCRIPTION:					
	GATCTTTTAA AAATTCATCC					60
0.5	CAAAGTTTTG CATCAAAGTG					
25	TAACTCCTCT CTGTAAAGCA					
	GTGCAGAGCG GCCTTTACTT					
	AGTTTCAGTG TGAACAGAAT					
	ATCTAAGAAA AAAAAATTNG	CACAGCTAGG	AGCCTCTGAC	CATTGTCTGG	GTGTTTTACG	
30	TGGGTCCTGT TCATCAAA					378
	SEQ ID NO:7351					
	SEQUENCE LENGTH: 379					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS08592					
	SEQUENCE DESCRIPTION:					
	GATCAAAGTC AAAAATAGCA					60
40	TACATGGTAC TCTTGTTGAG					
	CTTTGGAGTT GTCACATCAG					
	CTATGGCTGA GTTCTGGTCA					
	GCTGATGAAA CTCACAAATG					
	GTCTGCCTCC ATGCTGCAGT	GTTCGAGTGG	ATTGTAGGTG	CAAGATGGGA	AAGGNTTGTA	
45	GGGTGCAAGC TGTCCCAAN					379
	SEQ ID NO:7352					
	SEQUENCE LENGTH: 119					
50	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	-				

5	CLONE: HUMGS08593 . SEQUENCE DESCRIPTION: GATCTGCTTT AGTGAGAGGA TCTTCATTCT CTTGTNACAT					
10	SEQ ID NO:7353 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08594 SEQUENCE DESCRIPTION:					
15	GATCAGCTAT TTTCAACATA TTGATATTTA TAATAAAATT			CATAAACACC	CTGTAGGTTC	60 93
20	SEQ ID NO:7354 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08595 SEQUENCE DESCRIPTION: GATCTCTGTA GACTTGCCTC	TTCTGGACAT	GACATAGAGA	AAGGAGTCAT	AAATTCTCCA	60
25	AGGTGTCTGT TTCTTCTTA CTGGGCCCAG TCTCACACTG AGTATGGTGT TTGCTGTCCG ACACCTTTAT TTTTGTATTA	GTCCTTGCTT CTGAATGCCA	ACCCTAAATG AGAGCTTCAA	CTATTAATTC GAGTGTGTGT	CATCACTCTG AAATAAAGCC	180
30	SEQ ID NO:7355 SEQUENCE LENGTH:45 . SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS08596 SEQUENCE DESCRIPTION: GATCTCCGAT GTGATGAATA	CGAATAAAAG	GCCCTTAATG	GCAAA		45
40	SEQ ID NO:7356 SEQUENCE LENGTH:212 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGS08597 SEQUENCE DESCRIPTION:					
	GATCTGTTCA TGCTTTTGTC TGGGGTGGAA AAATCACCGG AATATCTGAA ATNAAGAAAA	GAATCCCCCT CAAACCGACT	NNNAGTTCTT CACAAACCTC	TGAAAAAGTT	CCATGACTCG	120 180
50	TTTTAAAATG GAAAACAAAA	ATCTGAAAGA	AA			212

	SEQ ID NO:7357 SEQUENCE LENGTH:250 SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear CLONE:HUMGSO8598 SEQUENCE DESCRIPTION:	80.74				
	GATCTAAACT GTATTTTCCA	ATTTAAATTA	AAAATGTAAT	ATAGATTCAG	AAAGGTTCAT	60
10	ATTTTTCTAA TGACTTCATT	CTATATTATT	TTGTTAGGTT	GCATAAAGAA	${\tt GCAAGGAATT}$	120
10	GTACTTGTAT TAAAAGATGA					
	CCTTTGCCCG TTAAAAGGAA TNTTAACCAN	AGGTTGGCCC	NTTTTTNAAG	GGGGCNTTNA	TNTGNNTTTN	240 250
	070 ID NO 5050					
15	SEQ ID NO:7358 SEQUENCE LENGTH:112					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08599					
20	SEQUENCE DESCRIPTION:					
	GATCTGGCTT NGCCCTAAGC	NNCTTAGGNA	CAGAAGAGTC	CATGGGGGCA	TGGCACAGAG	60
	CTGGTCCTGT ATTCTCCAGG					112
	CEO ID NO. 7250					
25	SEQ ID NO:7359 SEQUENCE LENGTH:386					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08600					
30	SEQUENCE DESCRIPTION:					
	GATCTTATTT NACTTCATCC	TTCTTGTAAC	CATATTGTNA	ATCAGGAAAG	CTCAATCAGA	60
	TACAAAAACA GGAAATTCGT					
	GACTTTTNAG AAAGCCTGTG					
35	AGCAAATATC AAGCCTCCAA					
	CTGGATGATG ANTACACAAG					
	GANGTCCTGA TGTATAGCAA	GTTCAGCAGC	AAATNTGACA	TTTGGGCTTT	TGGGGTTTTG	360
	ATGTGGGAAA TTTACTNCCT	GGGGAN				386
40	SEQ ID NO:7360					
	SEQUENCE LENGTH: 341					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS08601					
	SEQUENCE DESCRIPTION:					
	GATCCGGGNA TTATACAGGT					
	TAGTGATTGN ATAAAAAGGA					
	GAGGGTGCTG AAATTTTAAC					
50	TACCCTTAAA ATGTTTAAGG	AATGTAATTC	AAAATACTGT	TTAANAGAGA	CATGTGACCA	240

	TCATTCTCCC AGCGAATGTG ATGTACACTA TAAGANTAAN				GTAAATGTAT	300 341
5	SEQ ID NO:7361 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08602	acid				
	SEQUENCE DESCRIPTION: GATCCGTCAG NCGACTCTAA AAAATTCAGA TTAAACAACC			ATGGNTTTTG	CCAGGCATCC	60 92
	SEQ ID NO:7362 SEQUENCE LENGTH:359 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS08603 SEQUENCE DESCRIPTION: GATCTCGTCT GAAACAGTGT CAGAATTTCA TTTAATGATA	TTGGAAGTGG				
25	GAATTTCATA AGAGCCATGC TTTCTGTAGA GACAAAAACT TTTGTTACTT AAGTCTGTGA TGTTCCATGG AATCAGTTTT	CTGTACATAT AAAACATATT	TTTGGAATCT TCTTTGGAGG	GAAGAATCCT AAAATGTATG	ATGTAAATCA CATTTATAAG	240 300
30	SEQ ID NO:7363 SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS08604 SEQUENCE DESCRIPTION: GATCTCCTTA CACTGCTATT TCTACTGGAA ACTGGCTAAG CTATATCACA CAATGGATAT	ACAGTATTTA	TGTGCTTCTC	TCACAATAAC	AGGAAGATAN	120
40	TGTATATCAA AACATCATGT GANATAANTT AANATTACCT	TGCATACCTT	AAATATGTAC			
45	SEQ ID NO:7364 SEQUENCE LENGTH:358 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGSO8605 SEQUENCE DESCRIPTION: GATCAGGGAT GCAGTACCAC	TTGCAGTCAA	ATGAATTCCT	TCGAAATGTA	TTTNNACTTG	60
50	GACCCCCAGT GATGCTTGAT	GCTGCAACGC	TTAAAACGAT	GAAGATTTCT	CGTTTCGAAA	120

	GGCATTTATA TAACTCTGCA					
	ATAAGAGAGC AGATGTTGGA	GAATTCTTCT	AGATTTTCAG	AACTTGAAGA	CTATTTTCTA	240
	ATTTCTATTT TTTTTCTAN	TTCAATGTAT	TTAAACTCTA	GACACAGTTT	TTATCCTGGA	300
5	TTAACTTAGA TAACTTTTGT	AGCAGTGGTT	ATATTGCTTA	TAATTTAATG	TACAATTN	358
	SEQ ID NO:7365					
	SEQUENCE LENGTH: 263					
	SEQUENCE TYPE:nucleic	acid	•			
10	TOPOLOGY: linear					
	CLONE: HUMGS08606					
	SEQUENCE DESCRIPTION:					
	GATCTACNGT GAATATAAAA					60
15	TTGTTCGCTC TATTGAACTG					
	TGTAATAACT AATCGTAAAA	GTTGTAAATN	TGTTTAATGG	${\tt ATGAAATGTA}$	CANTTTTTGT	180
	ATTCTNTACA GCTTTGTCTT	TTTTAAATAT	GAAGTACTTA	AATGTACTTA	CTATGATAGG	240
	AAATATAATG TGTGCCTTCT	AAA				263
20	SEQ ID NO:7366					
	SEQUENCE LENGTH: 366					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS08607					
	SEQUENCE DESCRIPTION:			•		
	GATCTAAGTA AAATGTTTTG					
	GTCAGGGTTG GGGGAAAAAT	ACAGGTATAG	TAAGNAAGAA	AAGTGACCCA	TGAAGAAAGC	120
••	ATCGTGAGGT TGTATGTTGG					
30	TGGTGGCTGA TTGCCGTGTA					
	TATATTGGAA TAAAAATTTC	TATAANTTAT	NGTAACTAAA	AGTAAATATT	CTAAATTAAG	300
	TCCCACTNCT TAAGTCACAT	GGCTTCTGTC	TTGGGAATTT	TACCTTTTAA	NANGATTATT	
	TTNAGN					366
35						
	SEQ ID NO:7367					
	SEQUENCE LENGTH: 378					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY:linear					
70	CLONE: HUMGS 08608					
	SEQUENCE DESCRIPTION:				1001011177	co
	GATCTTGGCT GTTCTTTCTA					
	TGAGTAAAAA TAATCATCTG					
45	CTGCGACTTT AGGTGGGGTA					
	CATCATCATT GACTGTCAAG					
	TGGCCTGTNT TCACGGNTTT					
	TTGTGGNAAC AACCACANGG	ANGNCAAGGO	ATCTGTNGGT	GCGGGNGGGC	AAAGCAGGCT	
	TANCTNGGGN GGTTGACN					378

5	SEQ ID NO:7368 SEQUENCE LENGTH:421 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08609	acid				
10	SEQUENCE DESCRIPTION: GATCTAGAAA CCCTTTTACC CAAGCTCAGA GATGGGGNTG TACATCCCAT TTATACATTC GTCAGCTCCA GCCAGTCCCT GTCCGAATCA CCAACTTNAC	TTGTGTGCCA CCTAAGCCCA GCTGGAGTGG	GGCATGAGCT CCCCTGTNTC TGCCAGGAAG	TCCCCAAGAG CTCAGGCACC TNACCACTGG	GCAGAGGGCA ACCTGCCCTG CTACCGTGGG	180 240
15	CACHGATTHT ACCCAGACAA TCAGGGAGGG CAGTHTGGAC N	GATGTGAGCT	GCCAGAGGGG	TGGGACGAAT	GGGGGAGCCA	360
20	SEQ ID NO:7369 SEQUENCE LENGTH:189 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8610	acid				
25	SEQUENCE DESCRIPTION: GATCAGCAAT GAGTCGGCAA AAAGAAGAAC TACTATAAGA CAAAGTTCCT NCTGGTAAGA TGANCCTTN	GGATAGAGCC	CGCAGATGCT	${\tt CATGTGCTGC}$	AGAAAAACCT	
	SEQ ID NO:7370 SEQUENCE LENGTH:147 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGS08611 SEQUENCE DESCRIPTION: GATCTGGTGG AGAAAAGAAG TGGATATTGT TTTGCATCCC					
40	GAAAAAAAT AAATGTAGCT	ATTCAAA				147
45	SEQ ID NO:7371 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08612	acid				
50	SEQUENCE DESCRIPTION: GATCCACATG CNTGTGGCAG CTATNCCATG TATCGGGAAT				TTGGTATGGN	60 108

		SEQ ID NO:7	372					
		SEQUENCE LE	NGTH: 273					
		SEQUENCE TY	PE:nucleic	acid				
	5	TOPOLOGY: 1i	near					
		CLONE: HUNGS	08613					
		SEQUENCE DE	SCRIPTION:					
		GATCTTTGAG	CTGTGGTTTC	TCCACCTGTG	GAATATAAAT	GTNAACAACA	TAACCTTCTT	60
	••	TCTAAGGATA	ACTTGAGAAT	TAACAGTGCA	AGTAAATGGA	AAGTATAGTA	CCTGTNACCA	120
	10	GATATTTAAT	AGTAGTTATT	ACGAAATTGT	AACTCACTAC	CTGTNTTAGT	TGAGGTTTAT	180
		CTTCAGCCAT	GCAAATCAAA	ATCAGATTAT	TTNCACATCA	GCAGATAAGG	TTTGTNTGAG	240
		ANTCTNATTT	TNNATTTGNT	ACTCTNATTT	NNN			273
	15	SEQ ID NO:7	373					
		SEQUENCE LE	NGTH:419					
		SEQUENCE TY	PE:nucleic	acid				
		TOPOLOGY: 1i	near			•	•	
	20	CLONE: HUMGS	08614					
		SEQUENCE DE	SCRIPTION:					
		GATCACAGAT	GTAGTTCCTG	AGGTTGAGTC	TCCTTCTCAG	ATGGATGTTG	AATTGGTGAG	60
		TGGGTCTCCT						
		TCCCATTGTG	AGTAAGGACT	GGGACAATGA	ATACTGCAGC	AATGAGTGTG	TGGTGAAGCA	180
:	25	CTGCAGGGAT	GTATTCTTGG	CCTGGGTAGC	CTCTAGAAAT	TCAAACACAG	TGGTGTTTGT	240
		NAAATAGTCC						
		AGCCTGTTTT	TGAAACACAA	GCTGGGCTTC	TGGTAGTGCC	TCATCACAAC	CCATGATGGC	360
		TGTTCATGGT	TTCACCCCTT	TTNTTTCCNT	CAGCAGAGGC	CAGGCTATTG	GAGCAGTTN	419
	30	SEQ ID NO:7	374	٠				
		SEQUENCE LE						
		SEQUENCE TY		acid				
		TOPOLOGY: 1i						
	35	CLONE: HUMGS	08615					
		SEQUENCE DE	SCRIPTION:					
		GATCCTAATT	TGCACACTAT	CACCTAAAGT	CCTAGCATAC	CTGCATTTCC	AGGAAATCTA	60
		ATGAGAAAGA	AGTCCTGAAA	GCCTCTAATT	CCTGGAAACA	TATGAAACGG	CTAGAAAAAA	120
		GTAGACTATT	TTGGAGGATT	AAAGACAATG	GAAACTTTTT	ACATTGTTTG	TCTCACATAA	180
•	40	TGAATAAAAT	TCCACTTTAA	AAAATGAAA				209
		SEQ ID NO:7	375					
		SEQUENCE LE	NGTH: 422					
	45	SEQUENCE TY		acid				
		TOPOLOGY: li	near					
		CLONE: HUMGS	08616					
		SEQUENCE DE	SCRIPTION:					
		GATCCGCAGC		ACAAGCCACA	GAANCGGGCT	CGCTCGTGCC	AGGACACAGC	60
	50	AGTGTCTTTA	AAAAAATCAA	AACCAGAAGT	TTTATCAGCA	GCAGGAAGNN	TGTGGGACTC	120

55

Ċ

	TGTCCAAGTT CACCG	CCACC ATCAAGCCA	TGGCTGTGGA	AGGAGTTTNT	CCAACAGGGT	180
	CAGTGTCACA GCCACA	AACTT CAGAAAGCA	CCATCCCGCG	TGTCGTCCAA	ACAGCAGTGC	240
	CTGCNTCCCG CTCCA	CGGAG TGTTCCNGA	CACCTCCCTC	TGAACTAATC	CCGGAGCACC	300
5	CCACCCCAG CGAGTO	CCAC CTGGACCTN	TCAAAGTCAA	AACTCTTCTT	TNGGGCCAAC	360
	CAATINITEG GGCTT	INGAG GCCTTGAAC	TGGGGCACCA	AGTTTNTTTC	CATGGGAANT	420
	TN					422
10	SEQ ID NO:7376					
.0	SEQUENCE LENGTH:					
	SEQUENCE TYPE:nuc	cleic acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08617					
15	SEQUENCE DESCRIPT				0011000000	CO
	GATCCCACCA GTTTC					60
	CTTNNNGTTT TCATGO					
	CTCTTGATGT CTGGN/					
20	CCCCGCTTAC ACGACA					
	TGCTGGCCAC AGTGA					
	TCTCCACACC TGAACA					413
	TTTTAACCTG GACATO	JUNII AAAGGGIUI	ITAGCITICA	GAAAAAAAA	AIN	413
25	SEQ ID NO:7377					
	SEQUENCE LENGTH:	157				
	SEQUENCE TYPE: nuc	cleic acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08618					
30	SEQUENCE DESCRIPT	TION:				
	GATCCACAAA TGAAAG					
	CTTAACCATA TAAATO	GTGGA GGCTATCAAG	AAAGAATGGG	CTTGAAACAT	TATAAAANTT	120
	GACAATGATT TATTA	AATAT GTTTNCTCA/	TTGTAAA			157
35		•				
	SEQ ID NO:7378					
	SEQUENCE LENGTH:					
	SEQUENCE TYPE: nuc	cleic acid				
40	TOPOLOGY: linear					
70	CLONE: HUMGS08619					
	SEQUENCE DESCRIPT	- - ·			0101011001	60
	GATCCTAACA GCTTGG					
	TAGGEGETCE AACAA	· ·				
45	TACCGGCTCC AAGAAC					
	GGAAACATTA TATTC					
	ACCAAGCAAA ATTACA					
	GCTTCTTCAA AGNGCT			IGIALICICA	плипалиал	399
50	ווואאטטטח ווואאטטטא	JANII IUU DINNU	האטמאטאטא נ			333

	SEQ ID NO:7379					
	SEQUENCE LENGTH: 34					
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS08620					
	SEQUENCE DESCRIPTION:					
	GATCGGTCCC TAAACCTCAT	TAAAATATTT	GAAA			34
10						
10	SEQ ID NO:7380					•
	SEQUENCE LENGTH: 405					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS08621					
	SEQUENCE DESCRIPTION:					
	GATCTNATGG ATATGGCAGT	GGACGTGGAT	TTGGGGATGG	CTATAATGGG	NATGGAGGAG	60
	GACCTGGAGG TGGCAATTTT	GGAGGTAGCC	CCGNTTATGG	AGGAGGAAGA	${\tt GGAGGATATG}$	120
20	GTGGTGGAGG ACCTGGATAT	GGCAACCAGG	GTGGGGNCTA	CGGAGGTNGT	TATGACAACT	180
20	ATGGAGGAGG AAATNATGGA	AGTGGAAATT	ACAATNATTT	TNGAAATTAT	ANCCAGCAAC	240
	CTTCTAACTA CGGTCCAATG	TNGAGTGGAA	ACTTTGGTGG	TAGCAGGAAC	ATGGGGGNAC	300
	CATATGGTGG AGGAAACTAT	GGTCCAGNAG	GCAGTNGAGG	AAGTNGGGGT	TATTGTNGGA	360
	NGGNGCCGAT ACTGAGCTTC	CTTCCTATTT	NNCCATGGCA	TTTNN		405
25						
	SEQ ID NO:7381					
	SEQUENCE LENGTH: 261					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear					
30	CLONE: HUMGS08622					
	SEQUENCE DESCRIPTION:					
	GATCCTAGCC AGATTACCAG					
	TATGGAGAAT TINTGAATCT					
35	GAATCTTTNC AAGTAAACAT					
	TCCCATCTTT AAGGGGGAAA	CTACATGANG	TCACCGTTAC	AGTAACTTGA	TGTGTATATT	240
	AATAAAAGTA ATTCAGTCAA	Å				261
40	SEQ ID NO:7382					
	SEQUENCE LENGTH: 44					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08623					
45	SEQUENCE DESCRIPTION:					
	GATCTATGTA TAGATAAAGA	TTAAACATAT	CTAGTACAAG	GAAA		44
	SEQ ID NO:7383					
	SEQUENCE LENGTH: 109					
50	SEQUENCE TYPE:nucleic	acid				

Best Available Copy

EP 0 679 716 A1

	TOPOLOGY: linear		•			
	CLONE: HUMGS08624		~			
	SEQUENCE DESCRIPTION:					
5	GATCTGTTTC TTAAAGCTAC	AGGGTTTAAA	AAATAAAAAT	GAGTGAAAAT	ACTTGATGTT	60
	TCTTGAAAGA TAAATTTAAT		3.4			109
	-					
	SEQ ID NO:7384					
	SEQUENCE LENGTH: 93	;				
10	SEQUENCE TYPE:nucleic	acid	A.			
	TOPOLOGY:linear		, \$2.			
	CLONE: HUMGS08625					
	SEQUENCE DESCRIPTION:	•				
15	GATCATTGTG GCGTCCACAA	TGTATATATA	AAACAAGTTG	TACACATTAC	CATGTATAAA	60
· - .	TTTGTGTTTG TCGATTATAT			Inchemimo	0.1141.111.1111	93
	TITUTUTE TOURITAIN	dichhamma	AAA.			-
	SEQ ID NO:7385	•				
	SEQUENCE LENGTH: 54	_				
20	SEQUENCE TYPE:nucleic	acid .	The second second			
	TOPOLOGY: linear	acru				
	CLONE: HUNGS08626					
	SEQUENCE DESCRIPTION:					
25	GATCTTAATC TTATTCTCTG	CCATCTTCAA	ATTAA334AA	4 4 T T T C T T T C	TAAA	54
	UNICITABLE TENTICICIE	CCATCTTCAA	ATTAAAAAAA	AAIIICIIIG	Inui	٠.
	SEQ ID NO:7386		,			
	SEQUENCE LENGTH: 140					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear	acra				
	CLONE: HUMGS08627					
	SEQUENCE DESCRIPTION:					
	GATCCCTTCA GAAGAAGACA	TGATAGGATT	GTAAGTTTTT	NTCTAACTTT	GGATGCAGTG	60
35	AGATGACCAG TGTGTTCCAG					
	GAATCCTACC TTACATTAAA		Null di			140
	SEQ ID NO:7387					
	SEQUENCE LENGTH: 206					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	40.4				
	CLONE: HUNGS08628					
	SEQUENCE DESCRIPTION:					
45	GATCCACCCA CCTCAGCCTC	CCAAAGTGCT	GGGATTACAA	GCGTGANCAC	TGTGCCTGGC	60
••	CCTTTTTTT TTNAAAGAGA					
	GAGTTCAAGC AGTCCTCCTG					
	NAATANGGNT TCATGGNTCA		CUUNTUCUO	INCOCCONO	variti	206
	MAINMOINT TONIUMIUM	anddoll				
50	SEQ ID NO:7388					

2046

5	SEQUENCE LENGTH: 130 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS08629	acid				
10	SEQUENCE DESCRIPTION: GATCCCATTG CTTTCCTGTT GTGATATTTC TATTTTNTGA AGCAATTAAA					
	SEQ ID NO:7389 SEQUENCE LENGTH:355 SEQUENCE TYPE:nucleic	acid	·			
15	TOPOLOGY: linear CLONE: HUMGSO8630 SEQUENCE DESCRIPTION:			·		
	GATCCAATTG TGGATTTATT	TACAAACATC	AAATGCCTTC	AAGCCAATCC	TNTTTGCTGT	60
20	ATGTTTTGCA GCCTACTGTA	GTAGATACGC	AACAGATAAT	GTGGGAAAAA	${\bf AAGAGATAAG}$	120
	AGGAGGAAGC TAATAAGAGA	CTGTCAAGAT	TGTATACCTT	CTTGGTTTCT	TTTAAGAATT	180
	TGTTGCCTTT NTACTATNNC	AGCAAAGCAG	CATTTTGTTA	CTGACTGCCT	AAAATCACTT	240
	AATCTCAGGT GAACGCATCA	CTTGCCAAAC	TGTTGGAATG	CTATTTGTGT	TTTGTTGCAC	300
	TGTTTTTTTC GTTTGTTTGT	TTGTTTATTT	GGTTGGCTTT	TTGGAGAGGG	AAATN	355
25					•	
	SEQ ID NO:7390					
	SEQUENCE LENGTH: 96					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS08631					
	SEQUENCE DESCRIPTION:					
	GATCTAAAAT NAGAGAAGCA	TTTAAAAAAT	NATTTCTGTC	TTGGTTCATC	TTATTGTTAG	60
	TGGTTTATGC TAATAAAAAT	TGATTTAACA	ATCAAA			96
35						
	SEQ ID NO:7391					
	SEQUENCE LENGTH: 411					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS08632					
	SEQUENCE DESCRIPTION:					
	GATCCAGATA TGTCTGTTAT	GAAAGATATC	AGTATAGGTA	AAGCCACAGG	CAGAGGTCAG	60
	TACTGATAAT TAATGTAGTA	TAAATACATC	ATTTACCATT	TTATTTAAA	TAGGAAGCCA	120
45	TCAAGCATGC TAGAATTGTG	AACTTTCATT	ATATNTTTT	GTTGTTGACA	TGAATTAACC	180
	TGGCCAAAAA CAAAAAAGAA	NNAAAAAACC	ATGCCATTTG	TCATGTAAAC	CTTTTTTTA	240
	TCCCTATGGG CCTTNGGGGN	CNGAATCAGT	ACTTCAGTTA	TTGTAATNGT	GNGCTAACCT	300
	CAAATTININ TCACCCNGTT	GCCCTTTTCA	TGNCCTAACC	AATTNTCTGG	GGGNTTGGTA	360
50	TGGTTCNCCC GGTCCTGNTC	ATGTTTACCG	NNCTCTTTTT	TNGNGGGTCC	N	411

5	SEQ ID NO:7392 SEQUENCE LENGTH:248 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08633 SEQUENCE DESCRIPTION:					
10	GATCTAAGTT CTAAGCCAAA TATAAATGTG TTATATATA ATTATACTTT TAAATTAATA TCTAAACTAT ATAAATGTAT ATATGAAA	TATGAGATAT TTTTCAAATA	GTATAAGAAT TATAAATATG	ATAGAATGAA TAGTTTCAGA	TATGTAATAA CTGAAACTGT	120 180
15	SEQ ID NO:7393 SEQUENCE LENGTH:247 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS08634 SEQUENCE DESCRIPTION: GATCCTTCCA CCTCAGCCTC TGTGTCTTCC AGCTCTAATC GAACTTTTCT CTGCACTGTG	AGAAAGCTGC	TTGTCGAGGG	CATGGGGAAT	CAAACTGAAT	120
25	CCTTTTCAAG ATTTATATGT					
30	SEQ ID NO:7394 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08635 SEQUENCE DESCRIPTION:	acid				
35	GATCCAGGCT CGTAGNTCAC TCTGAGACCT CGCTCTCTGT				ANCACCTGCC	60 108
40	SEQ ID NO:7395 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08636 SEQUENCE DESCRIPTION:	acid				
45	GATCTTGAGC TCCTGGCCTC	CAGAATTGCA	GGAGAATAAA	TNTGTGTTGT	TTTTAATGAA	60 61
50	SEQ ID NO:7396 SEQUENCE LENGTH:275 SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY: linear CLONE: HUMGS08637					
	SEQUENCE DESCRIPTION:					
5	GATCAGTGTT TGNTTGGGAC	TGAAGGGATG	ACTAATAAGG	AGCAGAGGAA	AGCTTTTGGG	60
	GATGATGGCA CTCTTCTCTG	TCTCCATTAC	GGCATTGGAT	ACAAGTCTCT	AGAACTCCCA	120
	GAACTCGTCA CTGAAAGGGG	TGAATAGTAC	TGTATGTAAA	TTAGGTCCNN	ATTTTNAAAT	180
	GGGANAAATA AATATAAAGA	CAAATTACAC	TGCTGTATTA	NNTCANNTGA	TAGATGTAAA	240
10	AGTCTAATAT ATACGTNTTT	TTCNTGATAN	NCCCN			275
	SEQ ID NO:7397					
	SEQUENCE LENGTH: 288					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS08638					
	SEQUENCE DESCRIPTION:					
	GATCCACGCC CTTCCCGCCA					60
20	TGACACAGCT ACCAATTCTA					
	AGGGAGCTGG GGGACACTTT					
	TGAGCCACAG GCATTTCCTG GCCTTTGTGN CCCNTGTTTT	•			AAAAAAAAG	288
	deciliation econtailiti	UUUUUUATIA	ACCMULLITU	GUIIIAAA		200
25	SEQ ID NO:7398					
	SEQUENCE LENGTH: 290					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS08639					
30	SEQUENCE DESCRIPTION:					
	GATCTAATTN CTATTTCATT	TATTCAGAAA	TAGCATTTAG	ACATAAAANC	CAATGTCTCA	60
	CTTTGTAAAA TAACCTTTGG					
	TAAGTAATAC AATGAGTCAC					
35	CTGAGAATAT CATGTGGTTC				CNTAGTGCCT	
	TTGACCATGC NGACTATCCT	CAAGGCCAGA	CATCCTACAN	CGGAACTGNN		290
	SEQ ID NO:7399					
	SEQUENCE LENGTH: 267					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08640					
	SEQUENCE DESCRIPTION:					
45	GATCCNTAAG TACTCTTCTC	TANAGAATAA	AATGCATTAC	CTAGGCTTTA	ATAGTTAAAA	60
	GCTGGNATTT ATNGACCCGC	ATCTACTTGA	TTTCANAATA	TGCATTGATT	TTAGTATGTT	120
	GCTGNTCTGT TATCTGTACT					
	AANTCGTGCT ACACATATGT		TNACCTTTTC	ANGACAACAG	TTGCAATTTT	
	GAGCACAGTC CNCCTAGTGG	TANTCTN				267

5	SEQ ID NO:7400 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08641 SEQUENCE DESCRIPTION: GATCGGGAGC AGCCCCACTG		CCCCATCTGT	TECTCATCCA	TOUTGAAGGG	60
10	ACAGGAAACC TCCCAGGCAG TGTTAAA					
15	SEQ ID NO:7401 SEQUENCE LENGTH:168 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08642 SEQUENCE DESCRIPTION:	acid				
20	GATCACTAGT GCAGGAGAAC CCTCTACTTT GTATTTACTT CTGTATTTGG GATGCTTTTT	TTAAAATTGC	ACTTGTTCAC	CTACCAGTGT		
25	SEQ ID NO:7402 SEQUENCE LENGTH:323 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08643	acid			·	
30	SEQUENCE DESCRIPTION: GATCATAGTA AAGAGTAGTC CAACAAGGAG TTTCATGTGC GGCTCTTATT AAACTGTGTA	AAAGGAGATA	AGGAATGAAT	ATAAAGATTG	CTATTTGGGT	120
35	TGGGAGTTTG AGGTTAGTAT TGTAACCTTC CTCATTTCAC AATGGTAATC ATTAAANTAA	TTTCACTTCC AGATAAGGAA	TTGGTGTTAG	TACTCTATTC	ACATTCTTAT	240
40	SEQ ID NO:7403 SEQUENCE LENGTH:94 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08644 SEQUENCE DESCRIPTION:	acid				
45	GATCACTTAN GCCCAGGAGG AGCCTGGGCA ACAGAGGAAG			AATTGTGCCA	ACTGCACTCC	60 94
50	SEQ ID NO:7404 SEQUENCE LENGTH:226 SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS08645 SEQUENCE DESCRIPTION: GATCGGGGCT TTGTGTTTAA AGTAACCTTC CAACGCTCAT GAGCATTACC TCAATCTGAA TGTCCTTCCA TATCTTCCCA	TTCCATGAGG CCTTTTTTT	CTAGAGTTCC ATGAATGCTG	TGAGAATCCT ATACTGNTCC	CTGTAGCCAT	
10	SEQ ID NO:7405 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08646	acid				
. 20	SEQUENCE DESCRIPTION: GATCCAGTCA GAGCCAGGGA GGCTGGCACT AGGGATGGGG TAAA					60 120 124
25	SEQ ID NO:7406 SEQUENCE LENGTH:206 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUNGSO8647 SEQUENCE DESCRIPTION: GATCGACCAG CAGGTGGTCT ATGCCCAAAG AACTTCCTCC		•			
30	CAAGTTTGAG GATNTGAACA GGCAGAGGNC CATCATCTCA SEQ ID NO:7407	AAGAACTGGG				
35	SEQUENCE LENGTH: 103 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS08648	acid				
40	SEQUENCE DESCRIPTION: GATCCATAAG GAGGGCTGTG ATNCGGTAGC TACAGCAGCC				AAATCGTGCT	60 103
45	SEQ ID NO:7408 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08649	acid				
50	SEQUENCE DESCRIPTION: GATCCATAAG NAGGGCTGTG	TGGAGAAGAT	TCGGGNCTGG	CTGAGGAAAA	ANCGGCTGGT	60

	GGTAGCTACA GCANCCCTTG GAATACCCTT TTGTCGAGGT TTTGGGNATT GTCTC	N 116
5	SEQ ID NO:7409 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08650	
10	SEQUENCE DESCRIPTION:	NGAAA 60
15	SEQ ID NO:7410 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08651	
20	SEQUENCE DESCRIPTION: GATCGCACCA CCGCACTCCA GCCTGGGCAA CAGAGCAAGA CTGTTTCAAA ATAAA? AAAATAATAA ATAANNCTTT CCAACTNCAA A	FAAAT 60 91
25	SEQ ID NO:7411 SEQUENCE LENGTH:240 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08652	
30	SEQUENCE DESCRIPTION: GATCTTGTGG CTAAACCAGC ATTTCTGTGT TTGAGAGATT TCCTGTTAGG TGCTTC GAAAGTGAAC TCTCATAATT CAAATTGTAT AAANTAAAGC TACATTTCTA AGAGCT GTAGGGCAAT TGGAATANTG TCCTGTTAGA TAAACAGACA TTTAGCANTC CTGACA AAGGAAATGT ATTTCTATAC AGGATTATTA GCTGTANTAC ANGATATTTA TTTANC	TTGGT 120 ATTAA 180
35	SEQ ID NO:7412 SEQUENCE LENGTH:247 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUMGSO8653 SEQUENCE DESCRIPTION: GATCGCACCA CTGAACTCCA GCCCGNATGA CAGAGTGAGA CCCTGTTTCT AAAAAA	
45	CAAACAAACA AACAAACAAC GTATCTTACT GACTAAACTG GAATGGAAAT CTTATA GTGTTGTATT TTTCTGCAAA ATAGTGAATT NGNACTTGGG AGACTTCNNN NCTTTG AAAAAATTGC CTTTGTTTTG AAATTATATC ACCTGTGTTC TGANCTAAAA TGNTGG TCATNNN	GTTGA 180
50	SEQ ID NO:7413 SEQUENCE LENGTH:128	
50	SEQUENCE TYPE: nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGS08654 SEQUENCE DESCRIPTION: GATCCATAAG GAGGGCTGTG GTGGTAGNTA CAGCANCCCT NCCTGCTN					
. 10	SEQ ID NO:7414 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08655	acid	•			
15	SEQUENCE DESCRIPTION: GATCCATAAG NAGGGCTGTG GGTGGNANAT ACAGCAACCC					60 118
20	SEQ ID NO:7415 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08656	acid				
25	SEQUENCE DESCRIPTION: GATCTTTNTN ATATATGCAG TTTTNCCCTC CANGGGCCTT TTCGAGGCCC GNCTCTTNCT	TCTCTCCAGA	GGGCACTTCG			
30	SEQ ID NO:7416 SEQUENCE LENGTH:374 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGS08657 SEQUENCE DESCRIPTION: GATCCCGTTG CCTCATGGAA	-				
40	GCTGGTTGGG GNGCAAAACT TTGACAGCCA TCTACGACTT ATTTTNCCTT TTTGTAATGC AGGGGACATG GTGATGAAAC CAANACAGCA GCGTCGTCAA TGGNAANNAA NNNN	TATTAACAGG TGTTTATCAG ATGGCAGGNG	TTACTGTGAA AGGCGGGTGA TGTACAGATA	GATTTTNCCA CANGGGCTGG CCAGTGGTGT	CTAACTCTAG AAATAAAGNG GTTGCATGCT	180 240 300
45						
	SEQ ID NO:7417					
	SEQUENCE LENGTH: 110					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUNGS08658					

	SEQUENCE DESCRIPTION: GATCTTTATG TCACTAGTTA		CATTCAGACA	TAATTATATA	AAAACTACGT	60
	GGATGTACCG TCATTTGAGG					110
5						
	SEQ ID NO:7418					
	SEQUENCE LENGTH: 232					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear					
10	CLONE: HUMGS08659					
	SEQUENCE DESCRIPTION:					
	GATCTTTTA ATTCAGTACA					60
	GAGGCGACTC GGTGCTATGA					
15	GGAGGGGCTT TTTGTGTTTT					
	AGGCCTAGAG AGATTACTGG	GTTTTTATAA	TTAAACATTT	ATTTCGGTGA	AA	232
	SEQ ID NO:7419					
	SEQUENCE LENGTH: 370					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08660					
	SEQUENCE DESCRIPTION:					
25	GATCTTAACC AGTCGAGTGG	AGTGTACATT	GTCTGAATAC	AGGATGCACA	ATGTTGTCAA	60
	TCCTGGAAAT GGTCTTTCTT	TTTTGTAAGA	${\bf TATGTGAATG}$	AAGTGTTGGT	GTCCTCACCA	120
	AGAGGTGGCA CCTAAGGGTT	CTGAGGAAAT	AAATGTATAG	ACCCTȚATGT	ACAGACCTGT	180
	GTATAANCAN CTNNNGTATA	TACATATAAG	GATAGCTTTT	TTGACCTATA	CAGCTGTNCA	240
30	TAAAAGTAGC TGATATTAGT					
	TTTGGGATTT NNTTTTNGGT	GGTTTAAAAT	GGCATATGCT	AAGGTGTGTG	ATTGGGAANA	
	AANNANNANN					370
	SEQ ID NO:7420					
35	SEQUENCE LENGTH:83					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08661					
10	SEQUENCE DESCRIPTION:					
40	GATCTGTGTT TTAATGAGTT	TCACAGTGTG	ATTTTGATTA	TNAATTGTGC	AAGCTTTTCC	60
	TAATAAACGT GGAGAATCAC	AAA				83
	SEQ ID NO:7421					
45	SEQUENCE LENGTH: 394					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08662					
	SEQUENCE DESCRIPTION:					
50	GATCCTCTCT TACCCCGTCC	CCAGGTTTGA	AACACATAGC	CTCATTTCAA	GGTGTAGCCA	60

	GTTCCCCCG ACTTTCCTCT GGGACTCTC CTCCCATACA					
	CGTTGTGAT GATGCGACTG					
	CAGCTGTCC AGGGGCTGNC					
	TTTAATNCT GTTTTGTACT					
c	TTTTNAAAT TTAACAAGNT	GNGGGTTTTT	TGNN			394
10	EQ ID NO:7422					
Si	EQUENCE LENGTH: 134					
-	EQUENCE TYPE:nucleic	acid				
-	OPOLOGY:linear					
	LONE:HUMGS08663 EQUENCE DESCRIPTION:					
. •	ATCCCCATG CCTGAGGGCC	CCTCGGCTGG	CCTGGGCATG	TGATGGCTCC	TCACTGGGAG	60
	CTGTGGGGG AGGCTCAGGT					
	GGAGACTTG CAAA	41014021444	0011101000			134
²⁰ SI	EQ ID NO:7423					
. SI	EQUENCE LENGTH: 69					
	EQUENCE TYPE:nucleic	acid				
	OPOLOGY:linear					
	LONE: HUMGS08664					
	EQUENCE DESCRIPTION:	0010111710	ለ መር ነ ውስጥጥር ነ	ATLA 100100	ል ጥጥር እ <u>ርጥጥር</u> እ	60
_	ATCATGNGT TTCCTCATGA	GUACAAATAC	CIGALILIGA	ATAAAGCAGC	ATTOAUTTUA	69
M	ninnonn					0.5
30 SI	EQ ID NO:7424					
	EQUENCE LENGTH: 52					
SI	EQUENCE TYPE:nucleic	acid				
TO	OPOLOGY:linear					
35 CI	LONE: HUMGS08665					
_	EQUENCE DESCRIPTION:	•				
GA	ATCAACATT TTTTTAAAAA	GAGCATTAAA	GAAAGAATTG	TGGTACAATA	AA	52
S	EQ ID NO:7425					
40 SI	EQUENCE LENGTH: 356					
SI	EQUENCE TYPE:nucleic	acid				
T	OPOLOGY:linear					
	LONE: HUMGS08666					
	EQUENCE DESCRIPTION:		1.08888 . CC .	0800000000	4.00000000000	co
	ATCACACAT TCAGACTGTT					
	CTTTGCACT TCCATCCTCT CTGGAAGGC ACAGGGTGCT					
	CIGONAGE ACABOULULL	ひしょひししょししょ	uulliliitt	1110010000	CITOIGIACV	100
fi	GACGCTCAG CCTCAGGGCT					

	NTTNTATTTT TAATTTTTTT	GAGACAGAAT	CTCACTCTCT	CGNCCAGGCT	GGAGTN	356
5	SEQ ID NO:7426 SEQUENCE LENGTH:246 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS08667 SEQUENCE DESCRIPTION: GATCGTCGCC CCTCTGCCAA TGTCTTCTCA ATNAAACCGG					60 120
15	TCCAGCTGTT GAGCCCCTCC TGTCCCGATT GTAACTCAAA AGTAAA					
20	SEQ ID NO:7427 SEQUENCE LENGTH:286 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08668 SEQUENCE DESCRIPTION:	acid				
25	GATCCTTGCA GGAACCTAAG GCAGCCAATG CTCANTGGGG TGGAATAAAA ACCAACATCA GGCAACCTCG ACTCCCTGGT AGGCTCACCT AGGATGGGTA	TACAAATGGC AGTCGGCTTC GCTCTTTGCA	TCAGGCAGGT CATGCATCCC GAGTTGGGCA	CAACCAGGGA TACCAGCGGT GTGAAATNNN	AAATGCCAAG GAGTGTGGCT	180
30	SEQ ID NO:7428	CANTAAAAA	AACATGGGCT	TICAAA		200
35	SEQUENCE LENGTH:177 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08669 SEQUENCE DESCRIPTION:		ACTICALANA	T. TTCTCCC.	GLGALA TOTA	
40	GATCACTAAC AGGTGATGGG TTTAACAGCC TGTCCTCCCG GGATTTTTT TTTTTTNGGN	GCATCAGGAG	TCATTGAACA	ATCATGGATT	GTTGTGTTTG	60 120 177
45	SEQ ID NO:7429 SEQUENCE LENGTH:388 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08670	acid				·
50	SEQUENCE DESCRIPTION: GATCCAGGTG GTCCAGGAGC TACCTGGTGA GGTGCAGAGA GAACAAGTTC TGTCTTGGGC	GTCCCTCTAG	TGGCCATTTT	GTATGGTAGT	TGCTAATGCA	120

	GCATGTAAAC AAATGGGGAC	ACTCTGTTCA	GGAGAATAAT	CCGACTGGCA	TTTGTGGCAG	240
	TTTTTGAAAT GTAAATGTAT	TCATGTGTGT	TCTTGTAAAT	ACGTGTCGCT	CAGATGTCCT	300
	TTGAAGTGGG AGGGAATCAA	TCCGGGGATA	ATTTCAAATG	GAATAGAGTA	TTTTGATATT	360
5	GTTCATTCAG AGGGTGATGT	GTACACAN				388
,	SEQ ID NO:7430					
	SEQUENCE LENGTH: 392					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08671					
	SEQUENCE DESCRIPTION:					
	GATCCCCACT GTCAATGGGG					
15	TTCTTCAACC AATCCCTTCA					
	CTCTTGCTGA ATGTGGGCAT					
	GGGTGGCAAG CTGTGTTCAT					
	CAGGAGGGAA AGGGGGAGAC TCACTCTCTC TGCCCCNATT					
20	GTTTCTGAGC ATAAAGAGGA			GGGGACAAGG	CCGITICITI	
	difference Afranciagua	AAAIAAAICI	10			392
	SEQ ID NO:7431					
	SEQUENCE LENGTH: 127					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08673					
	SEQUENCE DESCRIPTION:					
30	GATCTTTGGG AAGGGAGACT					60
	GAAGCATGAC CACACGGTGG	GTGAGCAGCC	CCCATGCACT	GATGGTAAAT	TCCCCTGTGG	
	ACTCAAA					127
	SEQ ID NO:7432					
35	SEQUENCE LENGTH: 353					
	SEQUENCE TYPE:nucleic	acid			-	
	TOPOLOGY: linear					
	CLONE: HUMGS08674					
40	SEQUENCE DESCRIPTION:					
	GATCTGTCTG GCATGTCAGG					60
	TTTGTGGAAG TGAATGAAGA					
	TTCTGCATGT TGATGCCCGA					
45	CGGCATAATT CCTCAGGTAG					
45	GAGACTGTAG CAATACAAAA					
	CCAATATGTC TTTATAANCT	TINCCCANTA	AAAAUCCACT	TUTCCCAAAG	AAA	353
	SEQ ID NO:7433					
50	SEQUENCE LENGTH: 399					
	SECULENCE TYPE: muclaia	aaid				

5	TOPOLOGY:linear CLONE:HUMGSO8675 SEQUENCE DESCRIPTION: GATCTAATTG GCTTTTATTA AAGGAGTGCC ACTAAGCTAG AGCAAGAACA ATGAACAAAT	ACAGAATGGA	TGGGTTTTAT	GGCAGAAAAA	AGTGGAAGCA	120
10	AGTAAACAAA ATCTTGTTAG TCATATCTTG TAAGTGAACC TCCATTTTGG GGCCTGCTGC GNNGAGCACA CANNATGCCC	CCTAATGGAA ATTTAGGTTT CTTTTTCTTT	TTTGGCATCA GGTGACCTGG AAAAANGGAG	TCTCCTGATT NACCTTTGGC	TCTCAGAAGG ATAANGTGAC	240 300
15	SEQ ID NO:7434 SEQUENCE LENGTH:230 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08676	acid				
20	SEQUENCE DESCRIPTION: GATCCTGACC ATATTCCTCA CTGGCGTCCT ATGTAAAGAT GGGTGGGAGA AAAGAAAGTG CTGGCGCTTA ATAAGAATAA	AATCGGCCCT GGTTATCAAG	TTTTGGACCT GGTGATTTGA	TTTGTTGGGN AATTTTCTGC	TCAAGAATTT AGCATTAAAG	120
25						
30	SEQ ID NO:7435 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8677 SEQUENCE DESCRIPTION: GATCCTGAAA ATAGCCCCGT		ATGTATGTGA	CTAGAACGAG	GCCACATGAA	60
	TAAGCCACTG CCCACTGGCA					
35	AACCATATAG AATAGAATAA	CCAGGAGTTC	AAA			153
40	SEQ ID NO:7436 SEQUENCE LENGTH:138 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8678 SEQUENCE DESCRIPTION:					
45	GATCTCACAA GCNCTTTCCC TAAAAGCACT TATTTATTGT					
	CAGCTGTGCC ATATTAAA	JUDAUULIUI	TUCAMNIUI	INUINUNINI	UNUUCATIIU	138
	SEQ ID NO:7437 SEQUENCE LENGTH:361					
50	SEQUENCE TYPE: puclaio	anid				

5	TOPOLOGY:linear CLONE:HUMGSO8679 SEQUENCE DESCRIPTION: GATCATGGCT AAAGATGACC TCTGATGGCC TTAAGAGAAC AGAAAATNTT CTTTATAAGA CATGGCTGTC ATCAGGAAAA GGGAGTTGCC CAGAGGAATC TTTTGGAGTA CGNTGTGTAA N	GTAGAATGAA AACAGGAAGG TGGTTGGGAG CCTGTTCCCA	AGTAACAAAT CACCCCTGAG ATTTCTCAAT CTGATTTTTA	GAAGACTTCA GGGCTGTATC CCCTGAAAGG TTAGCAAAAC	AAAAATCTAA TCTAATGANC ATGAGGTTGG ATCCTGTGTC	120 180 240 300
15	SEQ ID NO:7438 SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS08680 SEQUENCE DESCRIPTION: GATCAAAGTG TAAACACCAT GTCCACACCC AGCTCAGCAT GATGTCTATT CTTGTTGGAG .AATTCCTTGC ACATAGTAGG	TTCCACACCA ACATGGGATG	AGCAGCAACA ATTATNNNCT	GCAAATNACG GTTCTATTTG	ACCACTGCTA TGCTTAGTCC	120 180
25	GCCATAAAAA TAAATNNGGT	TCATTTAANG	TNN			273
30	SEQ ID NO:7439 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08681 SEQUENCE DESCRIPTION:					
35	GATCAGAGGA ATGTTATNTT AAATACTCAG AGCAATCCTA CATACCCCAT CACAGCAACT	CAAGAAGAAA	ACTACATNAG	CCCCCACATG	TTCCCCCCAA	60 120 173
40	SEQ ID NO:7440 SEQUENCE LENGTH:194 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8682 SEQUENCE DESCRIPTION:	acid				
45	GATCTCTTGA ACTCTGGGTT ACACTGGGGC TGCCTTTCTC GGGTCTGATG CTGAGTCCCA CTTGAAAACT GAAA	TNACTCTGTC	TTCCCCAAGT	AAGGGGGCTC	TCTNAGTGCA	
50	SEQ ID NO:7441					

	SEQUENCE LENGTH: 132 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	•			
5	CLONE: HUMGS08683 SEQUENCE DESCRIPTION:					
	GATCANATGA AGAAAAGGAG	AGGTAGATAC	AGTCAGTGTC	ACTTCAGGAA	AGCTATTTAA	60
	AAAANCTTGA AATATAATTG					
	GANCANCACT AN					132
10						
	SEQ ID NO:7442					
	SEQUENCE LENGTH: 208					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS08684					
	SEQUENCE DESCRIPTION:	ATA ATO ATA T	ም ህ ለ ምምር ምርርር	*********	ጥልጥልሮጥልጥልሮ	60
	GATCAATCTG AGGAGACTTA CCCTGTATTT ATTTGTNTTC					
20	CAGTCTTGCA CATATTTTGT					
	TGCTAATAAA ATGGTGCTTT		dCldndnnll	IMMITTICC	Iddidinonn	208
	TOOTHUITIBUT MITOOTOOTTI					200
	SEQ ID NO:7443					
25	SEQUENCE LENGTH: 244					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMG208685					
	SEQUENCE DESCRIPTION:					
30	GATCCTCTAA GGTTCTACAG	TTTACTTCTT	GTATTCTCCT	TTGTAAGTCA	TCTCCAAGAC	60
	GATGTCCAAA TCCATCACCA	TTAAAATTAA	TAGTTTCCTC	ACCCACAACA	CTTAATATTT	120
	TAAAAAANGA TACTTTTCAT					
	GTTCCTTATT CATCATATTA	GTGCCTGACA	ATAAATGTGT	GCTGGATTGA	GCTGAATCTT	
35	TAAA					244
	SEQ ID NO:7444					
	SEQUENCE LENGTH: 323					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear	acra				
	CLONE: HUMGS08686					
	SEQUENCE DESCRIPTION:					
	GATCCTGCAA TTCCACTTAT	AGGAATTGAC	CCACAAGAAA	TGAAAGCAGG	GACTTGAACC	60
45	CATATTTGTA CACCAATATT					
-	CCAAATGTTC ATCAATGANT	GATTGATTGG	CTAAGCAAAA	TGTGATATGT	NCCTAACGAA	180
	GTATCCTTCA GCCTGAAAGA	GGAATGANGT	ACTCATACAT	GTTACAACAC	GGACGAACCT	240
	TGANANCTTT ATGCTAAGTG	AAATAAGCCA	GACATCANCA	GATAANTAGT	TTATGNTTCC	300
	ACCTACATON GGTACTGNGA	GTN				323

	SEQ ID NO:7445						
	SEQUENCE LENGTH:	318					
	SEQUENCE TYPE:nu	cleic	acid				
5	TOPOLOGY: linear						
	CLONE: HUNGS 08687	,					
	SEQUENCE DESCRIP	TION:					
	GATCCTCCTG CCTCA	TCCTC	CCAAAATNCT	GGGATTACAG	GCATAAGCCA	CCGTGCCTGG	60
	CCTCTTTAAT AATNT						
10	TTATGTATTG TCTGG						
	TAGNONGGOT GTGAC						
	AATAACTTGG GAGTG						
	ANTGNCATAC TGTGT						318
15							
	SEQ ID NO:7446						
	SEQUENCE LENGTH:	317					
	SEQUENCE TYPE:nu	cleic	acid				
	TOPOLOGY:linear						
20	CLONE: HUMGS08688						
	SEQUENCE DESCRIP	TION:					
	GATCAAGATA GTAGT	ATTAT	TACACAAGAA	ACTTGGTCTG	CAGTCTGGAA	GCTTGTCTGC	60
	TCTATAGAAA TGAAA	ATGCA	GCATGAAGTT	GACATTGTGG	AAATGAAAGT	AATTGGGTAT	120
25	TAGAAATCTG AAAGT.	ACTGT	CATCTAANAG	CAATTGTGAT	TTTNTTGTAA	TTGGTTGTCA	180
	CTGTTGTNCG GTGTC	TAGNG	TTANNGAATA	CATGTNANCT	TTCATGGTAT	TTNGCCTTTC	240
	TTAANTTTTT TTAAA	ATTTA	ANCTTTCTAA	CCTATGTATT	${\tt CAACTTCTGT}$	ATTTATATNT	300
	NATCAGTGGT TCATG	TN					317
30							
50	SEQ ID NO:7447						
	SEQUENCE LENGTH:						
	SEQUENCE TYPE:nu	cleic	acid				
	TOPOLOGY: linear						
35	CLONE: HUMGS08689						
	SEQUENCE DESCRIP						
	GATCATCAAA GAAAG						
	GCATAAAGGC TACAGA						
40	TGAGCCTGTC TTGAA						
	GAGAAACCAC AACAGAACTGCACTCT AGCCTC					IGALIGUACU	
	ACTUCACTOT AUCCT	UUMIN	AIAUAUCAAU	ACTITUTOTO	CAAA		284
	SEQ ID NO:7448						
45	SEQUENCE LENGTH:	324					
	SEQUENCE TYPE:nue	cleic	acid				
	TOPOLOGY:linear						
	CLONE: HUNGS08690						
	SEQUENCE DESCRIPT	TION:					
50	GATCCCTAGT ATAAC	ACATT	CAGTGTTCCC	CTTTCAGTCT	TACTACTTTN	ACCGCGATGA	60

		TGTGGCTTTN	AAGAACTTTG	CCAAATACTT	TCTTCACCAA	TCTCATGAGG	AGAGGGAACA	120
		TGCTGAGAAA	CTGATGAAGC	TGCAGANCCA	ACGAGGTGGC	CGANTCTNCC	TTCAGGATAT	180
		CAGGAAACCA	GACTGTGATG	ACTGGGAGAG	CGGGCTGANT	GCAATGGANG	TGTGCATTAC	240
5	5	ATTTGGAAAA	AANTGTGAAT	CAGTCACTAC	TGGANCTGCA	CAANCTNGCC	ACTGNCAAAA	300
		TTGACCCCCN	TTTGTNTGAC	TTCN				324
		SEQ ID NO:7	449		•			
1	0	SEQUENCE LE	NGTH: 324					
		SEQUENCE TY	PE:nucleic	acid				
		TOPOLOGY: 1 i	near					
		CLONE: HUMGS	08691					
_	_	SEQUENCE DE						
1	5	GATCACCTGA						
		TAAAAATGCA						
		GGCTGAGGTG						
		GATTGTGCCA						
2	0	ANTATATATA			NGNNNNTTTC	ACTATAAAGT	TTTGCTTTAT	
		TAAAAAGCTA	NTANGCAGCT	ATTN				324
		SEQ ID NO:7	450					
2	25	SEQUENCE LE	NGTH: 326		•			
~		SEQUENCE TY	PE:nucleic	acid				
		TOPOLOGY: 1 is	near					
		CLONE: HUMGS	08692					
		SEQUENCE DE	SCRIPTION:					
3	0	GATCTTAAAC						
		ATGGAACCTT .	ATGAAAAAA	AATAGCAAAT	NAGTTCTTTT	TCCCCCAGAG	GGGAAAGTTA	120
		TGTNCTGCAA .						
		NATTGCCTAG .						
3	15	AATTCTCATC			CAGTACACTT	GTCATTTCAC	ATGTGTTTAA	
		TGTGACAGTT	TTTCAGTACT	GTNTNN				326
		SEQ ID NO:7						
		SEQUENCE LE						
4	10	SEQUENCE TY		acid				
		TOPOLOGY: li						
		CLONE: HUMGS						
		SEQUENCE DE						
4	5	GATCTNGTGG	GCATAAATAA	AGGTGTCATA	AAGACAAA			38
		SEQ ID NO:7						
		SEQUENCE LE						
_		SEQUENCE TY		acid				
5	0	TOPOLOGY: 1 i						
		CLONE: HUMGS	08694					

	SEQUENCE DESCRIPTION: GATCTTAAGA AGTGCTTTGA CAATAAAGCC ACAAGAGCCC		ATCAGGGGTC	CAAGAGAGAC	CCCAGTCCCT	60 83
5	SEQ ID NO:7453 SEQUENCE LENGTH:351					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGSO8695 SEQUENCE DESCRIPTION: GATCTACACT CCAGGCCGGA	AAGAGCAAGG	GGAGCCCATG	ACCCCTCGCC	GCACGCCAGC	60
15	CCGCTTTGGT CTGTAAGCTG CAGCCTTCTG GCGGGAGCCT	AGGCTGTCCC	CAGAGAGGAT	GGCAGCAGGT	ATTGGGTCCT	120
13	TGTNCATATN ACGGCCCCCC TGGAGTTCTT CCATGCAGGA	AGGGCAGTTC	CTGCTGGACC	AGACTCTNTG	GCAGAGGAGG	240
	GCTGCCGNGG CACGGNGAGG					351
20	SEQ ID NO:7454 SEQUENCE LENGTH:55					
25	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08696	acid			-	
20	SEQUENCE DESCRIPTION: GATCTAAGGT TTTAAAAGAA	TTTGGTTTGA	AAATATACAG	TTGTCTTGAA	GGAAA	55
30	SEQ ID NO:7455 SEQUENCE LENGTH:61					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGS08697 SEQUENCE DESCRIPTION:					
	GATCTGTTCT GTTTCACCAT A	GTAACACACA	ATACATGCAT	GCACTGTATT	AGTGTTAGAA	60 61
40	SEQ ID NO:7456 SEQUENCE LENGTH:273					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUMGS08698 SEQUENCE DESCRIPTION:		•			
	GATCCCATTT TCCTCTGACG GCATCATTTT GAGAATGCTG					
	AAATATTTCT TTAAAAGAAG					
50	TAGAGTTGGC TITTNTTTTT			TTTTTTCCCC	NTGCCCCCCT	240

5	SEQ ID NO:7457 SEQUENCE LENGTH:363 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08699 SEQUENCE DESCRIPTION:	acid				
10	GATCTTAACC AGTCGAGTGG TCCTGGAAAT GGTCTTCTT AGAGGTGGCA CCTAAGGGTT GTATAAACAA CTNTTGTATA ATAANAGTAG CTGGATANTT CACTTTGNTN CATTTTGGGG	TTTTGTAAGA CTGAGGAAAT TACATATAGG TGGTTAGGNC	TATGTGAATG AAATGTATAG ATAGCTTTTT NGGTTGTCCA	AAGTGTTGGT ACCCTTATGT TGTACTATAC CCAGTTTTGG	GTCCTCACCA ACAGACCTGT AGCTGGTACC NNTTTTTTT	120 180 240 300
15	NGN	dattiticett	didddiidhn	TTAAANTTU	CATATOLITA	363
20	SEQ ID NO:7458 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08700 SEQUENCE DESCRIPTION:	acid				
25	GATCCGTATT TCCAATAAAA TTACTGATTT TATTGTTAAT					60
	AATTTGCATC CCTTTATCTT					173
30	SEQ ID NO:7459 SEQUENCE LENGTH:349 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08701	acid				
35	SEQUENCE DESCRIPTION:	mma	1 CMMC 1 CMM	C.T. L.C.C.C.T.L	T. 1.1TCC1.CC	60
	GATCACCCCC CAACTTGCCC ACTGGCTCAG AGGGTCAGGA					
	CTGCGATAAT GTGTGGACTT					
	TATTAAAGTG GATAAAGTGA					
40	TACAGANTGG ATAGAAAANN	TATGACTNNT	TTACACCATC	TTCCTGTTAT	TCATTGCTTT	300
	TTGAAGAGNA GCATAGANGA	GACTTTNTTN	TTTTATNCTN	GGAATTTTN		349
4 5	SEQ ID NO:7460 SEQUENCE LENGTH:395 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08702 SEQUENCE DESCRIPTION:	acid				
50	GATCTGGAGT AAGGAATATT	GTCATCACCT	GGATTTTGAG	AAAGAAAAAT	AACTTCTCTG	60

	CAAGATTTCA TAATTGAGAG	AATTCCTGAG	TTGATAGCTC	TAAAGGCAGA	TATGCTGTAT	120
	TTGCCTACTT TAACCCATTT	TTCAACCTGT	TTGTTTTTTA	ANNGGNTTCA	CTAAGGGTTG	180
	ATATGTACCA TTGTATGGGG	CAATTTTAAG	TCAGCTAAGG	CAATAACCTT	ATGCATGAGC	240
5	ATTTCCCAGA CTTTCATGAA	GCTGTTGAGG	TCCTAGGCAA	TTAATGCAGC	AGTTGCGATA	300
·	AATAAANGNC NTCTCACCTA	AGNNTCCNTT	TTCTTCNATA	ACCATGGTTC	CTGGNCATGN	360
	TTGGGAGGCT NCTCGGCTTT	AGGGNAANGG	GGTTN			395
10	SEQ ID NO:7461					
	SEQUENCE LENGTH: 347					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08703					
15	SEQUENCE DESCRIPTION:					
	GATCGCCTCC CAACAGCAGA			-		60
	TTGTAAACCC ATGTGTTTGT					
	CCCTGGCTAA GAAGTCAGAG				-	
20	TATCTACTTC TTCCATCCTA					
	TATGTAGTTC TTGCATCCTA TCCATTGCTT CNTAATCTTC				AIGGGIGCII	347
	ICCATIGCTI CNIAATCTIC	AIUUAUUUII	GCCATGCTTT	LIGCCAN		341
	SEQ ID NO:7462					
25	SEQUENCE LENGTH: 274					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08704				•	
30	SEQUENCE DESCRIPTION:					
	GATCGGNATG TAATAACAGC					
	GGGAAACCAC GCTATGATAC					
	CTCGATTGGA GCATGCATAA					
or.	CAAAAGGATT TTNTATCCCC			CAGCTAANGG	NNTCCAGGTT	
35	GTTGGTTGGA CTGTAATACC	NTTTGATGAN	AAGN			274
	SEQ ID NO:7463					
	SEQUENCE LENGTH: 69					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08705		•			
	SEQUENCE DESCRIPTION:					
•	GATCAGAAAC TTGCATATGC	GTGAAAAAAG	GAAGAGCAGC	AGAAAATAAA	TAAATGACAG	60
45	GAAAGCAAA					69
	SEQ ID NO:7464					
	SEQUENCE LENGTH: 199					
50	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					

5	CLONE: HUMGS08706 SEQUENCE DESCRIPTION: GATCTATAGC AATGTGATTT TATTTTTAAA AAGAAAAGCA GTGTGTTTTC TTTTTTTGTT GTTTTCTTTT GCTTAAGCAC TTCATCAATT GCTTTATTCT GTATCTGCGA AGTNATCTGC I AATCTCTNTT GNNCTTTNTA AAATTTGGAT NTGTTATAAA AATTGNCCAN ATTGGAAGGT II GTTTCAGTTA AAAAAANAN	120
10	SEQ ID NO:7465 SEQUENCE LENGTH:320 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS08707 SEQUENCE DESCRIPTION: GATCACAAAC TTGGAGGGCT GTATGGTTTT TCATTTAAGA AAGTAATTGT CGTGCAATAA AGTTATTAAG CCTTGTTTAA GAATATTTTT ATTTTGTACA TCAAGTGGAG TTGGAAATAG 1 TTGGTTTCAT AATGATATAT TTCAAAAGTA TCTTGAAGTC ATCTGGTTCA TTTCACTACC 1	20
20	CAGGGCACAC ATTCCTCCTG TAACATCCCA AGTGGTTATT AAGCAAAACA GATTTATTTT 2 ATTTAGAAAA NNTTAGTATG ACTGATTTGC TATTGATTTT GTACTTCTAT AAATNAATGT 3	240
25	SEQ ID NO:7466 SEQUENCE LENGTH:311 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUMGS08708 SEQUENCE DESCRIPTION: GATCACTTAC AGGTGCCCTC TCCCCCAACA GCCAGAAAGG GAAAACAGAG CCGAGTTTGG CCACTGGGGC CTCCACAGCC CTCTGGAAGA AGGGGCTGAC TGATAGGAAG GCACTCCTCT 1 GGTGTTCACT GGCCAGACCC CTGTGGGCTC AGAAGACTAC CTAGACCCCA TGAAGAAAGA 1	
35	CTCTAGACAC ATTITTATAA TCAGAAACTT ACAGTTTATT GTGAATAAAC CACTCAACTT 2 TGAGCAGATG ACATTGCCTC ANTTAACTTT TTCGTTGAAG AAAAACAAAG ATATATGGTA 3 AATTCATGAA A	
40	SEQ ID NO:7467 SEQUENCE LENGTH:434 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08709 SEQUENCE DESCRIPTION:	
45	GATCATCAAC AAAGACTTGT TAGAAAGGTC TAGTCTTAGC ACTTGGCAGT TAATCTAGGG AAGATGAATT AAATGGGTAG ATAGTGATGC ATACCTGTAT TCACTGATGT ATGTTTAAGG 1: GATTTGGGGG GGATACCTCA GTTCATGTGG AAGGGACAGT CTCGGTGTGT CCCATGAATA 1:	20 80
50	ACCTTGGAAC TGCAACAAAT GGTTTGTGCT CAGAAAAAGT CTTTCATGGT GACAGGAAGA 2 CAGTTTCCCT GGAGCTGGCC ATGAAGGCCT TAGAAGCCAT TTCTGGTGTC TGGTGGGTAG 3 CAGGCATAGA GATGATGTNC CGAGGTCCCA GTGAACACCA GTAGCCAAAN GAATTGTACT 3	00

	ACCTINTATC CATTANTING TGGGCCAAAA ITTN	GGGAAGGTCC	TTCCCTNGGG	NAACCAATGN	CCTTTTTTGN	420 434
5	SEQ ID NO:7468 SEQUENCE LENGTH:414					
	SEQUENCE TYPE:nucleic	acid				
10	CLONE: HUMGS08710 SEQUENCE DESCRIPTION:					
	GATCGAGCTG TGGACTTATA					
	ATGACAGATG AGAAGGGGCT					
	GAGAGCCTGG CTTAGTGCTG					
15	TAGTCCCTGT TTTACAGGGG					
	AAGTGACAGC TAGGGGTTGA					
	ATCTGCCACC ACTTTATANC					
	NTTTGGCCTA TNATGTTANA	AGGAANGCAG	GNNGGTGGGT	TNAANTAAAA	NTTN	414
20	SEQ ID NO:7469					
	SEQUENCE LENGTH: 214					
	SEQUENCE TYPE: nucleic	acid				
•	TOPOLOGY: linear	acru				
25	CLONE: HUMGS08711					
	SEQUENCE DESCRIPTION:					
	GATCAGTATT TTTAATCAAC	ACCTGAGAAC	TGTTACACCT	TTNATTTTGT	CTTTNAGGAA	60
	ATCCCTGTCT TTCCATTTTT					
00	TTTTACTTTC AGAAATNAAG					
30	NAACTCCTTT ATTAAAAACA	AATTTATCTG	TAAA			214
	SEQ ID NO:7470					
	SEQUENCE LENGTH: 418					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08712					
	SEQUENCE DESCRIPTION:	ACTTACCTCT	CCCCACACCC	1070101111	THACCTCACT	60
40	GATCCATTTC CTCAGGACTC TCAGGGAAGC CTGGACACCC					
	CACATTCTGT GTAAGAGCCC					
	TGAGGCACCA GAGAGTGCCA					
	GGGGGGGAGT TTCATTTTTA				0.0.000	
45	CATTITATAG TAATCAGCGG					
	TGGNCTTTTG GAGCTACATG					418
	SEQ ID NO:7471					
50	SEQUENCE LENGTH: 422					
	SEQUENCE TYPE nucleic	acid				

	TOPOLOGY:linear					
	CLONE: HUMGS08713					
	SEQUENCE DESCRIPTION:					
5	GATCTTGGCG TTGTGGTAGA	TTGCCTTCCT	GTGCTCACCA	ATTGTTTACA	${\tt GGAAGAAAAA}$	60
	CAATATATCT CACTTGGCTG	CTGTGTTGAC	TTGTTGCCTC	TAGTAAAGTC	ACTACTTAAA	120
	AGCAAATTTN AAGAATATGT	TATAGTTGGT	TTAAACTGGC	TTCAAGCAGT	CATTAAAAGG	180
	TGGTGGTCAG AACTATCATC	CAAAACAGGA	ATTATAAATG	ATGGAAATAT	TCAAATTTTA	240
	AAACAACAAT TAAGTGGATT	ATGGGTACAG	GANAACCATC	TTACTTTGGT	TCCAGGATAT	300
10	ACTGGTAATN TAGCTANGGG	TGTAGNTGCT	TNTTTTCTTT	CCAGTTCCNT	TGNGGGATTT	360
	CCTCTNCCTG NGGGGCATTT	TGGTTTTTCA	ANACCNTCCC	NTGGACCTGT	TTTANTTTTC	420
	CN					422
15	CEO ID NO.7472					
15	SEQ ID NO:7472 SEQUENCE LENGTH:359					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08714				•	
20	SEQUENCE DESCRIPTION:					
	GATCGCCTTA ACTACTGTAA	ACATAGCCTA	TTTTTGTGCT	TAANATACTG	AATGGAAAAC	60
	TCCATTGTGT GTTGCTGGAC					
	GTAATGGCAT TTAAAGCAAA					
25	TATCTTTAGT TACTTGAAGA					
20	TTTANTTAAT TTAGAGANGC					
	TTNCNTTTTN GTGGGCCATT					359
					•	
30	SEQ ID NO:7473					
	SEQUENCE LENGTH: 105					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08715					
35	SEQUENCE DESCRIPTION:	000101000	************	CT+CTTC+T+	************	60
	GATCTTTAAA GTTATTTTTA				IIUAAAICIC	105
	CNTCAGCCAT TAGAAGCTAT	CAAATAAAGI	AGGIGIAAAA	ACAAA		103
	SEQ ID NO:7474			•		
40	SEQUENCE LENGTH: 104					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08716					
45	SEQUENCE DESCRIPTION:					
	GATCAAGTAT GCTAATNTTA				ACAGTGGGGT	
•	GATTTCATTT GCCATAATTC	ACATAAGACG	AATTTTAATC	TAAA		104
	SEQ ID NO:7475					
50	SEQUENCE LENGTH: 340					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08717 SEQUENCE DESCRIPTION:	acid				
	GATCCTTGTT TTTAAGTTAC CTTTTAAAAC TATAGGCTGC	TGTNTTGGGG	CCAGAAATAA	GGTGACAAGT	AAAGACTTTT	120
	ATAATACCTA CCTTCAAANT					
10	ACCTCACACC AAGANTCTTG					
	GTATAATGAA ACAGTCTTAT			AAAAGGAAAG	CTTGTTTTCT	
	TTCCTTTATC ATTACAGAGG	TATGTCTTTG	GTTCTTANTN			340
	SEQ ID NO:7476					
15	SEQUENCE LENGTH: 189					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08718					
20	SEQUENCE DESCRIPTION:	10000011100	0.1.0.1.0 T CTO	1 T 1 C T C 1 1 T T	m	60
	GATCTGTGAA AAAATACAGT					
	CACAGTTGTA GCTACACAGT GTATTAAGAA GCTTATATTA					
	TTATTTATN	UINUMAMAA	CIINIIIIAA	INIMIMIM	INIMINMOIN	189
25						100
	SEQ ID NO:7477					
•	SEQUENCE LENGTH: 342					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS08719					
	SEQUENCE DESCRIPTION:					
	GATCTGTGTG ACAAAATNAT					
35	TTCCCCAGCA AATGTTAGAT					
	TGCATATTCA TCTNGTAATG					
-	ACCCCACATG CTTGCCAGTT					
	TCTGTTCAAT TTANTGTGAT ATGGTCATAA GAGGATTTGT				INUCITANCE	342
40	AIGGICAIAA GAGGAIIIGI	ACIAIAUAII	AICIICHUUU	UI1		776
	SEQ ID NO:7478					
	SEQUENCE LENGTH: 54					
	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY:linear					
-	CLONE: HUMGS08720					
	SEQUENCE DESCRIPTION:					
	GATCTTTGTC AACCAAAACA	TGTATTTTCA	ATAAATTGAG	ATTCCCAGTT	CAAA	54
50	SEQ ID NO:7479					
	SEQUENCE LENGTH-79					

5 .	Oliving Manual Control	60 79
10	SEQ ID NO:7480 SEQUENCE LENGTH:281 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08722	13
15	SEQUENCE DESCRIPTION: GATCCCCCTG GCCTGGAGGC AGCAGCTGTA TAAACTCTAC GAGGCCGACT TTGTTCTCTT 6 CGGCTACCCC AAGCCCGAAA ACCTCCTCCG AGACTGAAAG CTTTCGCGTT GCTTTTTCTC 12 GCGTGCCTGG AACCTGACGC ACGCGCACTC CAGTTTTTTT ATGACCTACG ATTTTGCAAT 18	
20	CTGGGCTTCT TGTTCACTCC ACTGCCTCTA TCCATTGAGT ACTGTATCGA TATTGTTTTT 24 TAAGATTAAT ATATTTCAGG TATTTAATAC GAAATGTGAA A 28	0
25	SEQ ID NO:7481 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGS08723 SEQUENCE DESCRIPTION: GATCTGAGTC CAGGCAGTGT TTTTAAGNGA TATGAGTTAG TAGTGAAAAAT TGAAAAGGAT 6	Λ
30	ATTTTACAAC CAAATACAGG TTTNNTGGTG TNTTTTGAAA AATCCAAAGA TTTGGCAACT 12 CGACCTAGGC TCCGACAAAA CCACAGTTGT TGGGAGCTGA GCCGGAGCCA GAACTCACAA 18 TTCACCGTGG CCCGGCCACC CATCCCCACC ACTCCCGTGG GCTCCTGACC AAGCACCACG 24 TGCCATTCAT CATGGCTTGC TTTTAGTGTT TTTGGTGTTT ATCTTAAAGT ACAGCGAAGA 30	0
35	AGAAAGGGAA GTATTTNTTA GACCCN 32	
40	SEQ ID NO:7482 SEQUENCE LENGTH:331 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08724	
45	SEQUENCE DESCRIPTION: GATCTGGATT TGGTAAAGGT TGACTTAATT GAACTCTCTG AAAAATGCTG TAGTGACTTT 60 AATTTGCACT CAGAATTAGA GCGCTCATTT TTGTCAGANC CATCATCTCC AGGAAGAACC 120 AAGACTACTA AAGGATTCAA ACTTGGGAAG CACAAGCATG AGACCTTTAT AACGTCAAGT 180	0
	GGAAAATCTG ANTACATTGA NCCTGCCAAA AGAGCTCATG TTGTGCCACC ACCAAGAGGA 240 AGGGGCAGGG GTGGNTTTGG ACAGGGTATA CGACCTCATG ATATTTTNNG TCAGNGNAAC 300 CAGNNCACAN GTNGACCACC ATCTNTGCNT N 33	0

	SEQ ID NO:7483					
	SEQUENCE LENGTH: 338	*				
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS08725					
	SEQUENCE DESCRIPTION:					
	GATCGGAGTC GCCAGGCAGT	ATATCCAGTT	AGAACTTCCG	GGCTTTTGCA	TTAGCTTGTC	60
	TGATGCTCAT GCCCCACTCA	GAGAAAAGAC	ATCAGCAAAT	TAAGAATTTT	CTGGGTTCCT	120
10	GTGACCCTCA GGTTATTTTA	AAGCAATTGG	AAGAGCATAT	GAACACGGGC	CAGCTAGCAG	180
	GATTTTCACA TCAAATTAGA	AGTCTGATTT	TGANTAATAT	CATCAATAAG	AAGGAGTTTG	240
	GGATTTTGGC AAAGACCAAA	TACTTTCAAA	TGTTGAAGAT	GCATGCGATG	AATACCAACA	300
	ATATCACTGA GCTAGTGAAC	TATTTGGCAA	ATGACTTN			338
15						
.•	SEQ ID NO:7484					
	SEQUENCE LENGTH: 338					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
20	CLONE: HUMGS08726					
	SEQUENCE DESCRIPTION:					
	GATCCGCCCT CCTTAGCCTC	CCAATCCTCT	${\tt CTTAAAAAAAG}$	${\tt TGATAGCTCA}$	${\tt GAAATATTTG}$	60
	TAAAAGCAAG GTTTTTATTT	CATTTTGGCT	CTGTCATTTT	CAGAGGCAAA	GAAGTTGGCC	120
25	TGTAAAATAG AGTGCTAGAG	CTCTTACGCC	CCTCCCCTTC	TTCCCAACTT	CCTACTTCCT	180
	AGCCCTTTTA TCAACTCCTA					
	GCCCTAAGCA GGAGAACCTG	ANCAAAAGGC	TAGAGGCATG	GGCCAGGTAA	AATTTGGGGC	300
	CTAGAGTGAA GNCTGTGCTG	TCGTTAAGNG	CTTTCGAN			338
00						
30	SEQ ID NO:7485					
	SEQUENCE LENGTH: 338				•	
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS08727					
	SEQUENCE DESCRIPTION:	#aa.aaa#	aamaamaa	mmm	0001010000	-
	GATCACAGTG ACAAAGAAGA					
	TCAGTTGAAG AAGTCATGAA					
40	CCAACTCCAG CCGATGGAAG					
	AANTATTCAG GTTTAACAGC					
	CAGGACTCGG TCAAAAAGAN			ITAGTAGCCI	CCITICITI	338
	GACAACGAGG ATGAAAATGA	GIAAGIGIAA	IINIIIN			338
	SEQ ID NO:7486					
45	SEQUENCE LENGTH: 302					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08728					
50	SEQUENCE DESCRIPTION:					

	GATCTTAATT CATATCTTGA	AGATAAAGTO	TACCTTACAG	GGTATAACTI	TACATTAGCA	. 60
	GATATACTAT TGTACTATGO	ACTTCATCG	: TTTATAGTGA	GTATTTGTA1	AGTTACTGGC	120
	TTTTTTTCTG TAGTGTTGAG	AATGATTTT1	AAAACTTTGT	CTTGAATTTA	AATCAGATTT	180
5	GCATTTTTGG CTTATCAAA1	AAAAATGAA	GGAATTCCTT	TATACAAGGT	GCCTTTTGTA	240
	ACAAACCTGC ACGTTGTGAC	ATGTACCCTA	AAACTTAAAG	TATAATANTA	ATAANNTTNA	300
	AA					302
	070 ID NO 5405					
10	SEQ ID NO:7487					
	SEQUENCE LENGTH: 334					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08729 SEQUENCE DESCRIPTION:					
15		TC++TC+C+C	CTCTAACAAC	<i>ር ነ ጥጥ</i> ቸጥህ ነ ጥጥ	*************	
	GATCAAAAGT GAATAATGTA TTAGTTACCA TTTTCAGTGT					
	AGATTAGAGT TTTAAAATTT					
	GGATATNCAA TTTTGATGGC					
20	TTAAGAAACA TGTCCACTGT					
	AAGATATACT TGTATTTATA			CATUALAAAU	ATTAINATTT	334
		COTONOMINI	TOTA			334
	SEQ ID NO:7488					
25	SEQUENCE LENGTH: 337					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear	•				
	CLONE: HUMGS08730					
30	SEQUENCE DESCRIPTION:					
30	GATCAGCTGG ATACTCNTGT					
	ACAAAGTGAA CTCACACATA					
	CAATCCACCT CTCTAANTCA					
	CAGGCCAGAN GCGTTACCNG					
35	TGTTAATGNA GNGGCAGTAC			CTCACAAAAG	CCAGGTGTCC	300
	TCACTCATCA CAGNNGCCGC	CTTNGCTCCC	GTTTATN			337
	SEQ ID NO:7489					
	SEQUENCE LENGTH: 292					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08731					
	SEQUENCE DESCRIPTION:					
45	GATCATTGAG AACACTGNAC	ACAGCAGCTT	CAGGCAAAGG	GAAAAGAACT	AAATGAATTC	60
	CGGGAAAAGC ACAACATTCG					
	TCAGAAGGGG CTGGGGCTAA					
	CCTTTGCATT TTTTTCTACC					
	TATTTTCTCT GCTATTGTAA					292
50						

5	SEQ ID NO:7490 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08732 SEQUENCE DESCRIPTION: GATCAACTGC AAACAGGCAC GAAGGAACTT TTTTGGGTGA TGAAAAATAA AACTTTGGAT GTCGAACATA TTTTGAAACT AGATTGCAAT NATAGTTGCA TAACTNTATA CATTTATTAA	60 120
	AATCGTGGAA CACTTACAAA	140
15	SEQ ID NO:7491 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8733 SEQUENCE DESCRIPTION:	
20	GATCCGGTCT CCCCCGCCCC CCGGCTGCAG GGTGGATAAA GAGGAAGATG TGAAGAGGAG GCAGACAAAA GCAAAAGGAC ATCCTGTCAG TAGGAAACGG CCGAATTACA ATTCAGATGT 1 GCAATGTTTG CATAAGTAAA CTGACACGGG ACTATTATAT GCAGAANTCC ACGTGCAAAA 1	20
	NTTTTCAGAC ACACCTTTGT ACCTCTNCCT AATCCTGCCC TGGTAAAATG GCGGTTATCA 2	40
05	GTGCAAGTTT GAGGATACAT ACAGCTGGAA ANTGGNCATC ACCAAACTGG ACTCCAGAAA 3	00
25	GTNCTGTCTA GGATTTTATT AGACTGCTTT TTTNCAN	37
30	SEQ ID NO:7492 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08734	
35	SEQUENCE DESCRIPTION: GATCTATTC TCAGTAATNA GTGTGTGCCT CATGCCTGTT TCAATATTGG GTTTTGGAGA CANTATTGTA CCAGGCCTGT TGATTGCATA CTGTAGAAGA TTTGATGTTC AGACTGGTTC 1 TCCTTACATA TACTATGTTT CGTCTACAGT TGCCTATGCT ATTGGCATGA TACTTACATT 1 TNTNGTCCTG GTGCTGATGA AAAAGGGGCA ACCTGCTCTC CTCTATTTAG TACCTTGCAC 2 ACTTATTACT GCCTCANTTG TTGCCTGGAG ACGTAAGGAA ATGNAAAAGT TCTGGAAAGG 3	80 40
40	TAACAGCTAT CAGATGATGG ACCATTTGGN TTGTCAN 33	37
45	SEQ ID NO:7493 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08735 SEQUENCE DESCRIPTION:	
	GATCGGCCTC CGAAACCATA CTCTCAAATN ACTATCACC	60
50	GAGGATTTCA AGAAA	75

5	SEQ ID NO:7494 SEQUENCE LENGTH:343 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08736 SEQUENCE DESCRIPTION:	
	GATCTGGGGT ACTTGGCAGG GCTTCCCTCA GACAATACCT TAGAGAGTCA CAACCATTCC 6	
10	AGGGTCTGGT CTACCTCACA TCCTCATTCA TTGTTGGATG TGCTTAGCAT AGCCAGAGGT 12	
-	GTCTTCTCTT TGACAGACTT GCTATCTGAA AAATAAACCA GGACACCAAT TTTTTAGCAT 18	
	ATAATAGAGG ACATCCCTTC CCAGCTATAG GAATGCTTGG TATCCTTCCA AGAACTCCTC 24	
	CTTTAGAGGA GCCTCACAGA AGTTGCTGGG TAAACATGGG CTCAAACCAA GGAAAGTCAG 30 GTAACCTGGG TGGNGGTTAT CCCACCACCA ATGGCAGGGG GTN 34	
45	GIARCETOGO IGUNGGITAT CCCACCACCA ATUGCAGUUG GIA	3
15	SEQ ID NO:7495	
	SEQUENCE LENGTH: 95	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUMGS08737	
	SEQUENCE DESCRIPTION:	
	GATCAATATT GTAAAGAATT TATTCTGATA AATNAGAAAC TGGATATAAT GTCAAAATAG 6	0
	CTATTTTCTC AATAAAAATC TCAAATCTCC TGAAA 9:	
25		
•	SEQ ID NO:7496	
	SEQUENCE LENGTH: 143	
	SEQUENCE TYPE:nucleic acid	
00	TOPOLOGY: linear	
30	CLONE: HUNGS08738	
	SEQUENCE DESCRIPTION:	
	GATCCTCCCT CCTTGGCCCC CCAGTGTTGG GATTACAGGC ATGAGCCACC GTGCTTGGCC 60	-
	TGGAATNAAT TTTTATTTGA AGTTATTCTG TATCTCCAGT GTTGGCATAT GCTAGACATT 120)
35	CAATGAATAT TTGTTGATTT AAA 143	}
	SEQ ID NO:7497	
	SEQUENCE LENGTH: 342	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUNGS08739	
	SEQUENCE DESCRIPTION:	
	GATCAACAAA ATGTGGTATA TTCATACAGT GGAATATTAT TCAGCCTCTA AAAGGAAGAT 60	١
45	ACGCTGACAT GTGCTGCAAC ATGGATGANT CTTGAGGACA TGATGCTAAG TGAAGTAAGC 120	
70	CAGTCACTGG AAGACAAATA CTCTATGCTT CCNTTTATGT GAAGTATCTA GAGCAGTCAA 180	
	ATGCATAGAA ACAAGTAGAA TGGTAGTTGC CAAGGACTGG GGGAGGAGGA AATGAGGAGT 240	
	TGTTTAATGG GTATAGTGTT TCATTTTTGC NAGATAAAAA GTCCTGTGGN TTGGTTGCAC 300	
	AGTTAAGTTA TGTGANTGCT GTATGCCCAA CTCANCTGTT NN 342	
50	•	

	SEQ ID NO:7498			•		
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUNGS 08740					
	SEQUENCE DESCRIPTION:					
	GATCCAGTCG GCCTGGAGAT	TCTACGCCAC	CAACCTCTCG	CGCACAGACC	TGCACTCCAC	60
	GTGGCAGTAC TACGAGCGAA	CGGTCACCGT	GCCCATGTAC	AGGTACCGCC	GCCGGGCACC	120
10	TGCCACCAAG CAACTGTTTC	ATTTTTTATT	TTCCATTTGT	TCTTAAACCC	CACTTTTTGT	180
	TGTTCATTAT TTTGATTGAT	TTTNNNTTCT	TTAAAATGTA	TTTTTCACAA	AGGAAA	236
	SEQ ID NO:7499					
15	SEQUENCE LENGTH: 160					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08741					
	SEQUENCE DESCRIPTION:					
20	GATCCTAACC CTTTAGTATG	CTGGAATTCT	ACTCTTCACT	TACTGCATTG	ACTGTTGTTG	60
	ATTAGTTATN ATTGCAAAGC	ACTGTCACCG	GCCTCAGGGA	GTTTATGTGT	AATAGAATTA	120
	AAAATAATAG CTGTGTATAA	CACTTAGCTC	AAGCCACAAA			160
25	SEQ ID NO:7500					
23	SEQUENCE LENGTH: 210					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08742					
30	SEQUENCE DESCRIPTION:					
	GATCTTATTG TGGAGTTAAA	CAAAGCACCC	TTAAAGTAGC	AAGCGAGCAA	AATAAAAGCA	60
	AGGAAAATCA GTTGGAACAT	AACTTATGTA	TTTTTTAGGA	TTAAGAGTAA	TTTAACTGAG	120
	TCAATTCAAT ATGTTTTTAA	AGGTGTGATT	CTTAAATNCT	TTATGATTGT	TTAGATTTCT	180
35	ATATCTTGGT AACATGAATA	CACACTTAAA				210
	SEQ ID NO:7501					
	SEQUENCE LENGTH: 351					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear	4014				
	CLONE: HUMGS08743					
	SEQUENCE DESCRIPTION:					
	GATCAGCATT TGTATTTNAG	TCCATTAATG	GGAAAAATAG	CTGATATTGT	NCATAGGAAC	60
	TTGGAAACCA CACAGGACTT					
45	ATATCACGAC ATTTTCAACA					
	GATTCTCCTG AGGTCAACGT					
	CGTTATCAAC CACTATTAGA					
	TGATTTTGGN TTCCATCAGT					351
50		,			-	

	SEQ ID NO:7502 SEQUENCE LENGT: SEQUENCE TYPE:	H:195	acid				
5	TOPOLOGY: linea CLONE: HUMGSO87 SEQUENCE DESCR	44					
	GATCGCACCA CTN	CACTCCA	GCCTAGGTGA	CAGAGGGGAT	GACAGAGGGT	GCTCTGCGNN	60
10	CAGGGAAGGC GGG	GTGGTTG	GGGGGTAGAG	AATGTTGCNC	TNATAACCAC	AGCTGTGGTT	120
	GGGATTTNAN TTA		NAGGTTCCCT	CTCCTTTCCA	CCAGATGGCA	CTGGAGAAAA	180 195
	SEQ ID NO:7503						
15	SEQUENCE LENGTH				•		
	SEQUENCE TYPE:		acid		•		
	TOPOLOGY: linear						
	CLONE: HUMGS0874						
20	SEQUENCE DESCRI					******	
	GATCAGAGCA GAAA						
	AATTATTTT TAAA						
	GATAAGACAC AGAT GAANTACAGA GANT						
25	ATAATANNCN NTAN		AGACANTTAT	dildidenen	Idiaccciad	ANCTIAAAGI	257
	SEQ ID NO:7504						
	SEQUENCE LENGTH						
30	SEQUENCE TYPE:		acid				
	TOPOLOGY: linear						
	CLONE: HUNGS0874						
	SEQUENCE DESCRI						
	GATCTTACAG AGAA						
35	GGAGGAAGTG TTGA						
	TTGTCCATAC AGAG						
	TTTGAAGAGC TTTC						
	GACGTGGCAA TGCC			GGICANTIGC	ACAGCAGAAI	GINCCAGANI	328
40	TICCCIACIO AUII	GILGCI	GICALIAN				348
	SEQ ID NO:7505						
	SEQUENCE LENGTH	: 102					
	SEQUENCE TYPE:n		acid				
	TOPOLOGY: linear		-				
•	CLONE: HUNGS0874						
	SEQUENCE DESCRI						
	GATCAATTTG AAGT	CCCTGT	TTGGGAATAA	GGCACTTATC	AGCATGAAGA	ATTTTTTCTC	60
	ATTCTGTGCC ATTT						102

	SEQ ID NO:7506					
	SEQUENCE LENGTH: 343					
	SEQUENCE TYPE:nuclei	c acid				
E	TOPOLOGY: linear					
5	CLONE: HUMGS08748					
	SEQUENCE DESCRIPTION	:				
	GATCACCTTC GNACGACTA		GCGTCAAACT	GAGGGCTCTT	ACAGNCAGTT	60
	TTCGAAGNCG GGGTACTGC					
10	AATGTGTCAT GAGTGTTTA					
	GGAGCTCTCC TTTGCTTGT					
	TTTCTCTTAA CAGCTGTTG					
	TTTTGATAAT AAAATTCTT					343
15						
	SEQ ID NO:7507					
	SEQUENCE LENGTH: 342					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY:linear					
20	CLONE: HUMGS08749					
	SEQUENCE DESCRIPTION	:				
	GATCCAAGTG CTTNTTTGG	T ACCAAGAGAC	CCGGNTCTNT	GCCAGCATAA	ACCACTCACA	60
	CCCCAGGGGG ATGAGCTCT	C TNAGCCCAGG	ATTCTGGCAA	GGGAGGTGAA	GAAAGTGGAT	120
25	GCGCAGAGTT CGGCTGGGG	A AGAGGACGTG	CTCCTGAGCA	AAAGCCCATC	CTCACTCAGC	180
	GCTAACATCA TCAGCAGCC					
	TGTCCCTCCA GCAAAAACA	G CAGCCCTNAA	TAGCAGNCCN	CGGTCTTTGG	GGAGGNGCAA	300
	AGGNAGGCTC CGGTTGCCC	C AGATTGGCAG	CANNATTATN	AN		342
30	SEQ ID NO:7508					
	SEQUENCE LENGTH: 369					
	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08750					
35	SEQUENCE DESCRIPTION	:				
	GATCAAGCAA TTAATCTTC		AATTNACTGT	AATAACTTGG	AGCAGTACTT	60
	TATACAACAA GGAGGAGGA					
	TGGTGACAGA AAGCCTCAT	G AGAGAAAGCA	AAACTTGGAA	AGATTTAAGA	NAGGNGATGT	180
40	AAGATTCTNG ATTTGCACA	ATGTAGCTGC	TAGAGGNATT	GATATCCACG	GTGTTCCTTA	240
	TGTNATANNT GTCACTCTG	N CCGATGAAAA	GCAAAACTNC	GTACATCGAA	TTGGCAGAGT	300
	AGGGTGGAGC TGANGGATG	GTCTGGCAAT	TNCCCTNGTG	GCACCGAAAN	NGGACAGGGT	360
	TTNGTACCN					369
45	070 ID NO 7700					
	SEQ ID NO:7509					
	SEQUENCE LENGTH: 335					
	SEQUENCE TYPE:nuclei	acid				
50	TOPOLOGY: linear					
30	CLONE: HUNGSO8751					

	SEQUENCE DESCRIPTION:					
	GATCTGGCCA GAGGGGTGTT		CCACCCACAT	ACCAGTCAAG	CTCTTAGGGG	60
	AGCAGAAGAA AAGCAGGAAG					
5	GTTATTAAAA GTTGCTTGTT					
J	CCTGACATCT TGCTTTAGCA					
	CTNCCCTGGC TTCNCCTTCA					
	NTTGAGGCAA GCNGCANCAT				11001100010	335
						000
10	SEQ ID NO:7510					
	SEQUENCE LENGTH: 270					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS08752					
	SEQUENCE DESCRIPTION:					
	GATCCGACAC AGAGAACAGG	AGGAACTNAG	GCGACAGCAA	GAGGGCTTTA	AGCCAAACTA	60
	CATGGAAAAT AGAGAACAGG					120
	CATGGGAGAT GCGTTTAGCC					
20	TATGANTATG AACANCAGNG					
	GGGACCAGNA AGGNGCCGCA	ANTNTNGGGN				270
	SEQ ID NO:7511					
25	SEQUENCE LENGTH: 85					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08753					
	SEQUENCE DESCRIPTION:					
30	GATCCCAGGA GAATCAGAAA	CTCCAACATT	TTGGAATCTT	CAAGGGCACA	TACTGAGAAA	60
	AAAAATAAAA TTGTTTATGA	GCAAA				85
	SEQ ID NO:7512					
35	SEQUENCE LENGTH: 66					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08754					
	SEQUENCE DESCRIPTION:					
40	GATCAAACTA TACGCTGTCT	ACAAGAGACA	CTTTAGATTT	AAAGACACAA	ATAGGTTGAA	60
	AGTAAA	,				66
	670 ID NO 5712					
	SEQ ID NO:7513					
45	SEQUENCE LENGTH: 390					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS08755					
50	SEQUENCE DESCRIPTION:					
JU	BALL TOTAL ACTOR COTTO	ጥም እአለ አለምምም		1001100000	4 4 A TO A A A A A A	~~

	ACCATAAACA GTCCACAGGC	ACCGTTCCTG	CCAGGCCCCA	ACCCACAGGG	AGTCTNTCCG	120
	CAGAGCCTTC TTGGTGTTGC	CCTAACTTGC	CAGTGGCCTT	TGCTCAGAGC	CTCCTCCTGT	180
	GACATGTGAA CAATGAAGAG	GCCTGCGCCT	CCTGCCTTGC	CGCCTGCAAA	GCAAAGAAAC	240
5	TGCCTTTNAT TTTTTAACCT	TAAAAAGTAG	CCAGATTAGT	ANCANGACTG	GCTGGCTTGA	300
	TGAGCAAAGC CTTTGCTCTC	ACGGNAGGAG	GGTAGGGTTT	NGGNTGTACA	ATGGTAACTT	360
	GCNNTGGGNA CCTTAAAAAG	GGAGGTGNAN				390
10	SEQ ID NO:7514					
	SEQUENCE LENGTH: 212					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
15	CLONE: HUMGS08756					
13	SEQUENCE DESCRIPTION:					
	GATCACCTGA GGTCGAGAGT					
	CTAAAAATAC AAAATTAGCT					
	GGCTGAGGCA GGAGAATCAC			TTGNAGTGAG	CCACTGCACT	
20	GCCTGGGCAA CAGAGCGAGA	CTCCATTTCA	AA			212
	SEQ ID NO:7515					
	SEQUENCE LENGTH: 136					
	SEQUENCE TYPE:nucleic	acid		•		
25	TOPOLOGY:linear					
	CLONE: HUMGS08757					
	SEQUENCE DESCRIPTION:					
	GATCCACCCG NCTTGNGCCC	CCCAAAGTGC	TGGGATTACA	GGTGTGAGCC	ACTGTGCCCG	60
30	GCCGAGTTAA ATATATTTCT	AACATAGTAA	AAAAAAAAAG	GTANGTTNCA	TAAATAAATT	120
	CCNGGAAGTN CAAATN					136
	SEQ ID NO:7516					
	SEQUENCE LENGTH: 160					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08758					
	SEQUENCE DESCRIPTION:					
40	GATCATGAAG ATGGACAGAA					60
	CTAAGGCCAT GCCAAGCAAG			GCCTTCATGC	CCCGCCTCCC	
	CTGCCCCCAA CTTATGAATA	AACTATGTTC	TAACTGCAAA			160
	SEQ ID NO:7517					
45	SEQUENCE LENGTH: 355					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08759					
50	SEQUENCE DESCRIPTION:				_	
	GATCTGGAAC TTGAAGATGC	CATTCATACA	GCCATCTTAA	CCCTAAAGGA	AAGCTTTGAA	60

5	GGGCAAATGA CAGAGGATAA CATAGAAGTT GGAATCTGCA ATGAAGCTGG ATTTAGGAGG 120 CTTACTCCAA CTGAAGTTAA GGATTACTTG GCTGCCATAG CATAACAATG AAGTGACTGA 180 AAAATCCAGA ATTTCAGATA ATCTATCTAC TTAANCATGT TTAAAGTATG TTTTGTTTTG 240 CAGACTTTTT GCATACTTAT TTCTACATGG TTTAAATCGA CTGTTTTTTA AAATGNCACT 300 TATANNTCCN AATAANCTGT TAANCCNGGN ANANGGNNTT GTNTTNGTGN GGNTN 355)
10	SEQ ID NO:7518 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8760	
15	SEQUENCE DESCRIPTION: GATCTTCATT TTCCTGTTCT GTATTCTGCT ATGAAGTTCT CTGTTTTTCA AATAAAATTT 60 ATGTGTTAAA TAACAAA 77	
20	SEQ ID NO:7519 SEQUENCE LENGTH:20 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08761 SEQUENCE DESCRIPTION:	
25	GATCATCTTG GAACTGCAAA 20	
30	SEQ ID NO:7520 SEQUENCE LENGTH:247 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08762 SEQUENCE DESCRIPTION:	
35	GATCGGAGGC TGCAGTGTGA CAGTGCCAGC CAATGTGCAG AGGTGGATGA GGTCTTGTNA 60 AAACCTGGCT CCTTTTAACA CGGCCCTCAA GCTCCTTAAG TNAATTGCCG TAACTAATTT 120 TAAAGGGTTT AGATTTTAAG AATGGTGCTC TTTCATGCCT ATNATCAGTA AGGGGACTTG 180 TATTAGAGTC AGAGTCTTTT TATTTAGGCC AGTTGTCAAG TGTCAATAAA AGCATCATGT 240 AATTAAA	
40	SEQ ID NO:7521 SEQUENCE LENGTH:164 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
45	CLONE:HUNGSO8763 SEQUENCE DESCRIPTION: GATCTTAATA TTGACTAGTT TCACATCCAG GTTTCTAAGA AATGATAAGA TACTTCACTT 60 TTCCAGAGTG AAATGTAGGA GGGAGCACAT TCTAAGTACA GCTAAAAATT TAGCTCACTG 120	
50	TAACACAGTT TCACTCTCTG AATAAATAAA GCAAAAAACA CAAA 164	

5	SEQ ID NO:7522 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08764 SEQUENCE DESCRIPTION:	
10	GATCTGCCTG CGAAGCTCCC CACAACACTG TCCCTGGAGA CCACCCATGT GGC CAAAATCTGT TGTATTTGCT AAATAAATTA ATATGGACAA GTTACCCAAA	AGACACT 60
15	SEQ ID NO:7523 SEQUENCE LENGTH:181 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08765 SEQUENCE DESCRIPTION:	
20	GATCAAATTG TTCATGCCTT GGGATTTTTT CTTCTATAAT TTGGATATCT TTN' CTCATTTCTT TATTGAAGTT GCTTTCTTAA AAATTGATTT AACTTTGTCC TTGG TAGTTCAGTC CAGAAATNAT TAATTGTGAT GTGATTAAAT TCATTTTTTG GTC' A	GTATCTT 120
25	SEQ ID NO:7524 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear CLONE:HUMGSO8766 SEQUENCE DESCRIPTION: GATCTGAATG GTTTTAATAA GGGGCTTTCC CCCTNCTTCG CTCTGCACTT CTCC CCATGCGANG AAGGATGTGT TTGCTTCCCC TTCTGCCATG ATTGTAAGTT TCCT TCCCCCAGCCA TGTTAAACTT TGAGTTAATT AAACCTCTTT CCTTTATAAA TTAA	TGAGGCC 120
35	SEQ ID NO:7525 SEQUENCE LENGTH:362 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE: HUMGS08768 SEQUENCE DESCRIPTION: GATCTGAAAA ATNCTTTTTG TCCTCATTGT TGCAGTTTCA ATTGTAATCC ATTG ATTTTCTTGG GTGTTGGCAC TGTAATATAT TAAAAAAAAA TTCAGTGCTC AGTA	
	CAACTGTCCC TACTGAATAT TCCTTTTCAT AAATACTTGC TACCACAGGG AAA'	TTAAGTT 180
45	TTCATATAGA ATAACTAGTT TCAGTAGTAA CCATTGAAGA NTTAANCNTG TGG CAGATATTTT TCTGGAAAGT TTTCTCTATT GTANAATTTG TNGTATATGG CTA	
	TATCHTGGAT NCTGTCATGG GACATGCATT ACCACANNTN CNNGCCCCTT TCTC	

55

SEQ ID NO:7526

	SEQUENCE LENGTH:306 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
5	CLONE: HUMGS08769 SEQUENCE DESCRIPTION:	
	GATCCCATGG ACATTTGGGG AAAGGGCTCC TTGGGCTGCT GGTGAACTTC TGTGGCCAC	
	ACCTCCTGCT CCTGACCTCC CTGGGAGGGT GCTATCAGTT CTGTCCTGGC CCTTTCAGT TTATAAGTTG GTTTCCAGCC CCCAGTGTCC TGACTTCTGT NTGCCACATG AGGAGGGAG	
10	CCCTGCCTGT GTGGGAGGGT GGTTACTGTG GGTGGAATAG TGGAGGCCTT CAACTGATT	
	GACAAGGCCC GNCCACATCT TGGAGGGCAT CTGCCTTACT GATTAAAATG TCAATGTGA	
	TCTAAA	306
15	SEQ ID NO:7527	
	SEQUENCE LENGTH: 76	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUMGS08770	
	SEQUENCE DESCRIPTION:	
	GATCTTTTAG TTATCAAACT GTTAAATACA TTTTAACTTT CAAATTTTAT GAATAAAGG GATGAATCCT GTTAAA	A 60 76
25	SEQ ID NO:7528	
	SEQUENCE LENGTH: 74	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS08771	
00	SEQUENCE DESCRIPTION:	
	GATCTGAAGT CTGATTGTGT GTACGTTCGC GCGTGCGTTA GTCCCTGCCA CGATTAAAG	
	CTTAGACCGN CAAA	74
35	SEQ ID NO:7529	
	SEQUENCE LENGTH: 102	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear .	
40	CLONE: HUNGS08772	
	SEQUENCE DESCRIPTION:	
	GATCGCGCCA CTGCACTCCA GTCTGGTGAT AGAGCAAGAC TCCATCTCAA AAATAAAAA	
	TAAAATGTTG GNTGTGGGGA GCCAGGCCTC TCACAACTGA AA	102
45	SEQ ID NO:7530	
	SEQUENCE LENGTH: 312	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
50	CLONE: HUMGS08773	
	SEQUENCE DESCRIPTION:	

	GATCGAATCC AGGCCCTGGG GCTTCANTTG CCAGACCCAC CATTAGAGAG TGAAGATGAA	30
	GATGAGGAGG GAGCTACAGC GTTGAACAAC CACAGCTCTA TTCCCATGGA CCCAGAACAT 12	20
	GTAGAGCTGG TGAAAAGGAC AATGGCTGGN GTAAGCCTGC CTGCGCCAGG GGTTCCTGCC 18	30
5	TGGGCTCGGG AGATATCGGA TGCCCAGTGG GAAGATGTGG TACAGAAAGC CCTCCAAGCC 24	10
	CGGCAGGCAT CCCCTGCCTG GGAGTGACCA CAGTGAGAGC TGCCTTATAT TCCTACATTC 30	00
	CAGGCCAGAA CN 31	2
10	SEQ ID NO:7531	
	SEQUENCE LENGTH: 186	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08774	
15	SEQUENCE DESCRIPTION:	
		0
	AGCCACCTGC CTGTGGAGTG CTGAGCTCAA CCAAAGGCTG GCAAGCTCTG GGCCTCATTT 12	
	AAGGGATTCT GATGAGCCGA TGGGCCCTGG AGGCAGCCCA TTAAAGCATC TGGCTCGTTT 18	0
20	TTGAAA 18	6
	SEQ ID NO:7532	
	SEQUENCE LENGTH: 390	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
20	CLONE: HUMGS08775	
	SEQUENCE DESCRIPTION:	
	GATCACATTG CCATTCCTCC CCTCCAGAGG TAACAATTAT CCACAATTTG ATGTTTATCA 60	٥
	TTCCTGTGTT GTTGTACTTT CACTGTGTAT AACCTAANNC NTCTACTNTT TAGTACTGTT 120	-
30	TTATATATTT TNAAGCCTCA TACTTGCTCA TTCTACAGCT TTTTTCACTC ATTATTGTAT 180	
	AATTATATCT GANGENETEG TICATTAATT TIAGTECINGT GTAGCAGAAT TCAATTACGG 240	
	GAACTACCAT AATTTATCTG TNCTCCAGTT GAAGGCATGA NGTTGTTGCC AGTTTCTGTA 300	
	TTATAACCAC TGTAGTGGGA CCATTCTTCT GCNTTGGGCT CACTGCGGGT TACCNAAGNC 360	
35	GGTNCCNCAG GATAANCCCC ATTTGGGNTN 396	
	SEQ ID NO:7533	
	SEQUENCE LENGTH: 378	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUNGSO8777	
	SEQUENCE DESCRIPTION:	
	GATCTAGCAT GTGGATTTTA AAAGATTTGC CCTCATTAAC AAGAATAACA TTTAAAGGAG 60	0
45	ATTGTTTCAA AATATTTTTN CAAATTGAGA TAAGGACAGA AAGATTGAGA AACATTGTAT 120	
	ATTINCAAA ANCAAGATGI ITGTAGCIGI ITCAGAGAGA GIACGGIATA ITTIIGGIAA 180	
	TTTTNTCCAC TAGCAAATCT NGATTINGTT TGATAGTGTG TGGAATTTNC TTTTGAGGGA 240	
	TAAGACCATG GGANANTTGT GGTAAAGACT GTTTGTNCCC TTCATGANTN CTTCTGAAGT 300	
	TGCCNTCAGT TTTNCTAATC TCCTGTGAAA TGCCTAGGTT TTGCGCCTGT CCCACTTTTT 360	0
50	NTTTGTGGGN CTTATNTN 378	

5	SEQ ID NO:7534 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8778 SEQUENCE DESCRIPTION:	
10	GATCATTTGA GTGAAAAAAA GGTACCTGTN CAAGCAAGCT CCTGGACACC ACAAGAAGGA GGAATTATTT TAAAAGCTGT ACTCTTAAAT TGTNAGTATC TTTAAAATCA GTTGTGAACA	
15	SEQ ID NO:7535 SEQUENCE LENGTH:159 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08779	
20	SEQUENCE DESCRIPTION: GATCAAGGTG AATTTTTTGT ATCACTGCCT GTGGAAATCT ATCCTCATCA GTNATTGCAT TTTTCCCTGC CTATACCTGT GCTCCTTTTT NTNACTGTGT TTTCAGTCAC TTCCTTTCTG 1 TNAAAGGTTG CTTAGCTTTT NTTTTNAANA TTTGTTGTN	
25	SEQ ID NO:7536 SEQUENCE LENGTH:304 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	ATGAGGAGCC CCCTTGCCAT CAGAGCCTGG CCTAACCACC CTCTTCTCTA CTTACACACA 1	
35	CATGCATTTT ATAATAGCTC TGACCCAACC TGGCCACTCT GCAGAGACTG GGACAGACAG 1 GTGCAGGCAA TGGGCCCTCC CACACCCAGT CACCTACAAG GAATTTTCAA ATCCACTTTT 2 AAAACAGAAA CCGGTAAATG CGCCGTATTG TATATTTTAT TTAAATAAAA AAAATTCCAG 3 CAAA 3	240
40	SEQ ID NO:7537 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08781	
45		60 110
	SEQ ID NO:7538 SEQUENCE LENGTH:160	

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08782 SEQUENCE DESCRIPTION: GATCCCCTCC CCTCCTGCTT TTCTGTATTT TTTAAAAATT ATTTTGTTTT TAATTCACAA 6 ATATTGTATA TGTTATATGG GGTAGAATGT GATGTTGATA TATGTTTAAA ATGTGGAATG 12 ATTAAATCAG GCTAATTTAC TTTTTTTNCC NAAAAAGGAAA 16	20
10	SEQ ID NO:7539 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS08783 SEQUENCE DESCRIPTION: GATCCACCCA GTTGCTCAAG TAAAAAACCT GAGAGACACC TTACGCCATC TGGGAACTTG 6	0
	TTAGAAATTC TTAAACCTCA TTCTATACCT GCTAAATCAG AAAATGTAGG GATTAAGTCT 12	-
20	GATTATTTGT GTTTTCGCAA GTCATCCNGG TGATTCTGAT GCATGGAAAG TTTGAGAACC 18	0
20	ACTGGTTTAG GTTATTAAAA GTTCTTGTCT CCCTATAAA 21	9
25 .	SEQ ID NO:7540 SEQUENCE LENGTH:355 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE: HUMGS08785 SEQUENCE DESCRIPTION: GATCAGAGAA GACTTTAAAA CTCTTGACTT AATTGAGTAA ACTCTTCATG CCATATACAT 6 CATTTTCATT ATGTTAAAGG TAAAATATGC TTTGTNAACT CAGATGTCTG TAGCCAGGAA 12 GCCAGGGTGT GTAAATCCAA AATCTATGCA GGAAATGCGG AGAATAGAAA ATATGTCACT 18 TGAAATCCTA AGTAGTTTTG ANTTTCTTTG ACTTGAATCT TACTCATCAG TAAGAGAACT 24 CTTGGTGTCT GTCAGGTTTT ATGTGGTCTG TAAAGTNAGG GGTTCTGTTT TNGTTTCCTT 30	0
35	ATTTTGAGGT AAGAGTACTG CTNGGTGGTC GGGGGGGTTA TATNNTNCCC TTTTN 35	
40	SEQ ID NO:7541 SEQUENCE LENGTH:314 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08786 SEQUENCE DESCRIPTION:	
	GATCAGGTTT CCCCTCAGAA CCTGTGTTGC CTGCCTGCTG TATCTTCCAT GTCTTTCTTA 60	0
45	TTCAACTTCT AGAAGTAGAG AAGGTTGGGA CTTGAGTGTA GAAGAAACAT CAGAATAATT 12	
	TCAAAAAACA GGAAGTTGGA ACTATAATTT TTAAATTATT GTATTGTTTT TACGGATTTT 18	0
	ACATGTATAG TTAAATATTA ANNTTCATCT CTTGCAGTTC ANTAAAAGCT ATAGTATAGA 24	0
	TTTTATTTTT AAGAAGTTTA TATAATNCTT TTGTGAGCCA ATATGTAAAA CTNGAATATT 30	0
	TATTTANCCT ANTN 31-	

			*			
	SEQ ID NO:7542 SEQUENCE LENGTH:298					
	SEQUENCE TYPE:nucleic a	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS08787					
	SEQUENCE DESCRIPTION:					
	GATCACAGAG AAAGTGATTA C					
10	AGTATTTNCT GCCTGTNAGA G					
	AATAGATGAG GGTCATGCAG C					
	- AAATANCTTA TCTGATAANC A ANGCCTGGCA GATGGTNCTG T					
	ANGESTAGEN GATGGINGTO I	IUICCAIII	UCANCTCATE	MUCCITIING	CCCIGNGN	298
15	SEQ ID NO:7543					
	SEQUENCE LENGTH: 32					
	SEQUENCE TYPE:nucleic a	icid			•	
	TOPOLOGY: linear					
20	CLONE: HUMGS08788 SEQUENCE DESCRIPTION:		•			
	GATCAAAATT AAAGACAGTT A	AAAGGTGA	Α Δ			32
	direction in the control of the cont	JUILLUGIUA	AA.			JŁ
	SEQ ID NO:7544					
25	SEQUENCE LENGTH: 249					
	SEQUENCE TYPE:nucleic as	cid				
	TOPOLOGY: linear					
	CLONE: HUMGS08789 SEQUENCE DESCRIPTION:					
30	GATCATCATT TATTGCATCT CA	ΑΤΔΑΓΤΔΔΑ	TTTNNTAAAG	ተተተርር አተተርር	CACTTTTNAC	60
	GTCCTTTTTG GAGGGCAAAG GA					
	AGACTTGAAC CACATTCCCT GO					
	TCCTACCCAT CTTAGTACCA TT					
35	CCATTINNN					249
	CPO ID NO. 7545					
	SEQ ID NO:7545 SEQUENCE LENGTH:257					
	SEQUENCE TYPE:nucleic ac	cid				
40	TOPOLOGY: linear	CIU				
	CLONE: HUMGS08790					
	SEQUENCE DESCRIPTION:					
	GATCATATGG AATGTACTAT TI	TTGTAATGT	CTTTTTTCAT	TTTACAATGT	ATTATCAACC	60
45	TTTTCCCTCT CAAAAATACA TT					
	TTCATTTCAC AGTCTTCTAT TO					
	TTATTCTTTA ATGTATTAGT AT	TTTTACTGC	TGGTCACTCA	TGGAATCCTG	CAGCTTTANT	240
	NAAAAGCAAG GATGAAA					257
50	SEQ ID NO:7546					

5	SEQUENCE LENGTH: 158 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS08791 SEQUENCE DESCRIPTION: GATCGTGCCA CTGCACTCCA		`TGCAGTGAG <i>A</i>	. CTCCGTCTCA	A ACAACAACAA	. 60
10	AAAGGTGGAT ACATGTCAAA TGTGTCAATT ATCAAAATAA	AGGGCACAGG	AGCCACTTGA			
15	SEQ ID NO:7547 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08792 SEQUENCE DESCRIPTION:	acid				
20	GATCAAAGGG ATGAGCAACA TACTTCAGAG GTGGTCTCTN AGCTCAAA					
25	SEQ ID NO:7548 SEQUENCE LENGTH:205 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08793	acid				
30	SEQUENCE DESCRIPTION: GATCACATCA AGCTAAAAAA GGGAATGTTT TCTGTAATTT ACTGCTGTCA TTGCACTGNT ATTAAAATAT TTGGTTTTGT	AGTAGTAACT TACCTTCTGT	GGCAATAGTT	TACAAACACA	TTTTGTGTAT	120
35	SEQ ID NO:7549 SEQUENCE LENGTH:372 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS08794 SEQUENCE DESCRIPTION: GATCTTATTT TTAATGTAGT TGAAACACAT ATTTAAAATA	TTGGGATACA	GTGAAAGAAA	AATTCAAATT	TTAATAACAT	
45	AAAGATTTCC TAACTTTATG ANTACAGTGA AGGACTCAGT CATCCCAATA CTATTTTGAN TTATGCCTTC AATATATTCC NNATACCATG GN	TCAGTCTTGT ATTCTAAACA	TTTTATCAGA ATGGAACCCA	GTGATAATCA AANTNCCAAT	TCCTGTTTCA AANTATAAGG	240 300

55

SEQ ID NO:7550

5	SEQUENCE LENGTH:97 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08795 SEQUENCE DESCRIPTION: GATCCGGTNG TCTAAATGCA		TATGATTGTT	TTGTAAATAT	CTTTGTATAT	60
	TTTTCTGCAA TAAATAAATA	TAAAAAATTT	AGAGAAA			97
10	SEQ ID NO:7551 SEQUENCE LENGTH:244 SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear CLONE:HUMGS08796 SEQUENCE DESCRIPTION:					
	GATCTGGGTT TGGCATTAGA					
	CATCTGTAAA GTGATTGATT CAACTGGCAG AGCATTATAA					
20	TTCTTCAAAA AANAAANTTG					240
	nom					244
	SEQ ID NO:7552					
25	SEQUENCE LENGTH: 364					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE:HUMGSO8797 SEQUENCE DESCRIPTION:					
30	GATCTGGGAA TTACCCATCA	ፐር ለ ፐፒ ለ ለ ርር ለ	ATCA	CCCCCTCCTC	CACTCCTCCC	60
	ACGGCGCCCC GGGGGTCATC					120
	AGTACTTGAA AGAGGCCATG					
	AGGGCTACGG GATATGCCAT					
0.5	GTCTCACGCA GGATAAGAAG					
35	ATTACGGAGC ACACGGGTGC					
	CNAN			110,000		364
	SEQ ID NO:7553					
40	SEQUENCE LENGTH: 129					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08798				•	
45	SEQUENCE DESCRIPTION:					
	GATCTGTGTG TCTCTGTTTT					
	ATAATTGGTC AATAATCCAT	GTTGGTTTTA	ACAAAAAGCA	TTTTAACATT	ATTATAAAAA	
	CAGTATAAA				•	129
50	SEQ ID NO:7554					

	SEQUENCE LENGTH: 316					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS08799					
	SEQUENCE DESCRIPTION:					
	GATCACATTT TNATTTTTTN	TTCTCCACAT	CAGGATAGTT	TACTGAAGCA	CAATCTCTTA	60
	TACTAGTGGG ACAAAAGGGA	GAAAAAGGAA	GCAAGATAAA	TGGGTATGTA	GGATGAAGGG	120
	TTATTTAAAA TGGAACTAAA					
10	TNTGAGGAAA GATATCTNTG					
	ANCACACATT GAGGTATGGN					
•	CCACCANCCC CACCTN					316
15	SEQ ID NO:7555					
.•	SEQUENCE LENGTH: 365					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear		-			
	CLONE: HUNGS08800					
20	SEQUENCE DESCRIPTION:					
	GATCAGTGGA ATTCTTGGTT	TGATGATAAC	CTTATTAATT	GAAATNTTTT	ACTGATGTGG	60
	CTTTAAAAGA GGTTTATNTT	GTATATGTTT	AGAACTCTCT	GATTTTNATG	AATTATATGG	120
	GAATGAGAAA CAGAAGAAGT	GGTATTTNCT	GGCGAGTTAA	ATAGGCAAGG	TACCCAGTGA	180
25	TAACACCAAC CAAACCACTC					
	ACTGTGTATA TNTNATTTTT	AATATATTAC	CTTTGTGGAT	NCATTTAAGG	TCTACTCAAA	300
	NGTANCACTG TCAAAACCAC	TAATATGTAT	GTNAAANTTG	TNCTGTNTAC	TACATTACNG	360
	TNCAN					365
,			-			
30	SEQ ID NO:7556					
	SEQUENCE LENGTH: 349					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS08801					•
	SEQUENCE DESCRIPTION:					
	GATCTTGAGT AACTGAACTT	ATTTCCCTTA	AGGTATAAAA	ATTTAAATAA	CCTGTATATA	60
	TTTGNTAACA NCTTTATNAG	GGAGGTAAGT	NACTTACAAT	ACATTGCACA	TATTTAANGT	120
	ATAGANTICG ACGAGITTIG	ATGTATGTTT	GCACCTGTGA	AACCATCACA	ACAAACAGTG	180
40	AGCATATCTN TCACCCCTAA	NNGTTTCCTC	CTGTCCCTTG	GTAATCCCTC	TNTTACCTGT	240
	CCCACTTCTG TTCCTCAAGA	NCCACTTACC	TGCTTTNNTN	ACTGTTAATG	TACGTGAGTT	300
	TACATTTTTG AGAGTTTTAT	CCAAAGGGNA	TCATGANGTA	TGTNCTCTN		349
45	SEQ ID NO:7557					
	SEQUENCE LENGTH: 369					
	SEQUENCE TYPE:nucleic	acid				٠
	TOPOLOGY: linear					
50	CLONE: HUMGS08802		*			
	SEQUENCE DESCRIPTION:					

	GATCINATCA ATCTAGCGGG	AGAGACAGGA	TAACCTGTCC	GAAAGTATAG	CGCCACTATN	60
	ACTCCGCCGG AAAAATTACT	TTAAAAATCG	CCAAAAATTA	CTTGGAGCAA	AGGGCAGTCG	120
	GCGGANTTCG CCAAGGCTGG	CGCAGTCGGT	TTTNACCTGT	AGCAGAGAAC	CNGGNCTGGA	180
5	GAACAGCCTC ACTTCTTTNA	TTGANTACTT	ACATAATGCA	TTGGAACATG	ACATGAGATT	240
	AAGGTTTAAT AATGATAGAN					
	TTCTTACCTT TCTTACCTAT					
	AAANTGTTN				100110001100	369
10						000
	SEQ ID NO:7558					
	SEQUENCE LENGTH: 290					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
15	CLONE: HUMGS08803					
	SEQUENCE DESCRIPTION:			•		
		#C#C####	m + m c m m m m c +			
	GATCTTGTAT GCCAAACTTT					60
20	TAAGAGGATT TCATATTGAA					
	TACTATAATT NATTATTATA					
	ATTTNTNAGA ATCANCTTTG				AGGTCTATGA	
	TGTGTTTACT TTAANNCTTG	CTGTTAANAG	CAACACGTAT	TANNTATGTN		290
	070 th vo 5550					
25	SEQ ID NO:7559					
	SEQUENCE LENGTH: 55					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUNGS08804					
	SEQUENCE DESCRIPTION:					
	GATCTGGATA AATTTTCATT	TCTACTTAAT	TAAAACTTCC	TATGTAAAAT	CCAAA	55
35	SEQ ID NO:7560					
33	SEQUENCE LENGTH: 109					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08805					
40	SEQUENCE DESCRIPTION:					
	GATCCCGAAT CCCAGAAATA	ATTCATAGNG	CACCTATCAT	GACTATTTAT	TTAATCTCAG	60
	AAGCTGAATC TGTACGTATT	TTTCTCCAGG	TCATCAGCTT	TGGGNNNNN		109
45	SEQ ID NO:7561					
	SEQUENCE LENGTH: 40					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS08807					
50	SEQUENCE DESCRIPTION:		ē.			
	GATCCTACTC TCTTATTAAA	ATCTTGAGTT	TATGTTCAAA			40

	SEQ ID NO:7562					
	SEQUENCE LENGTH: 338					
	SEQUENCE TYPE: nucleio	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS08808					
	SEQUENCE DESCRIPTION:					
	GATCTGCCGA CCTCGGCCTC	CCAAAGTGCT	AGGATTACAG	GTGTGAGCCA	CCGCGCCCAG	60
10	CCATAACTTT NCTCTTTTCT	CCATTAGCTA	AAAGATAATA	GTAAAACGTA	TATTTGAACA	120
	CTTAATTTTC TCTATATATC	TTTTNAGGAT	TATATTTAGT	GTATTTCCCA	ATTTTCCTAA	180
	AATGATTATC ACTTCTGTAA	AGAAGAAAAC	AATACTACTG	GTATTGCATT	TGGAAATATT	240
	TTNCTATTAA NNTGTCTCAT	TTCCTTTNCA	TGTATGCACA	TACATGTNNT	TNGTATAGCT	300
	CCTTTNNTCA AAANNTATTC	TGNGGTTATT	ATTTANNN			338
15						
	SEQ ID NO:7563					
	SEQUENCE LENGTH: 338					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS08809	•				
	SEQUENCE DESCRIPTION:					
	GATCTTGTGG TCAAGAGCAA					
	TACGGAAATA TTTAAGTAGA					
25	GTGAAGGCAG TATTAGAAGA	CTTAATTGTA	AAANCNCTCT	TGTCACTGTG	TTACACTTAT	180
	GCATTGCCAA AGTTTTTNTN					
	GTAAAANGCT GTCAANCATT			CCATGGCTTG	ATGTGAAGAC	
	AGCAAGGNAA GANGCACCAG	TCAAGTTGTG	ANCAAGNN			338
30	000 10 10 5504					
	SEQ ID NO:7564					
	SEQUENCE LENGTH: 324	1				
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear		•			
33	CLONE: HUMGS08810 SEQUENCE DESCRIPTION:					
	GATCCCTGCC ACAAGTTCCT	TCCCC+CTCC	CCATCTCACC	ATTCACATCA	1C1T1T1C11	60
	CAGAAAATAG TGGCTGTGTT					
	CAGACTTGCG TGGGTCAGTT					
40	TTTTATTAGT ACTGATAAAA				-	
	CTCTTCAGGA GCTTGGCATC					
	CTCCAAAATG ATAAAAACAA		ARIGIATO	A111100000	IMITITOTOT	324
	***************************************	170111				721
45	SEQ ID NO:7565					
	SEQUENCE LENGTH: 318					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS08811					
50	SEQUENCE DESCRIPTION:					

	GATCCCACTA CGAAACGCTC	CAGAGGCTTC	GGTTTCGTCA	CGTTCGCAGA	CCCAGCAAGT	60
	GTAGATAAAG TATTAGGTCA	GCCCCACCAT	GAGTTAGATT	CCAAGACGAT	TGACCCCAAA	120
	GTTGCATTTC CTCGTCGAGG	GCAACCCAAG	GTGTTCTAGC	TGAGCGTTTA	AGAGCATGGA	180
5	CTCTGGAACC AGACTTTGAA	TCCTTGCTCT	GCCACTGCAG	CTGTGTGACC	TTGAGCAAGC	240
	TATCTAAATA TTCTGTGCC1					
	CCTTCATGGG GTTGTCAN					318
10	SEQ ID NO:7566					
	SEQUENCE LENGTH: 313					
	SEQUENCE TYPE:nucleio	acid:				
	TOPOLOGY: linear					
	CLONE: HUMGS08812					
15	SEQUENCE DESCRIPTION:					
	GATCTGAGAC TCAGGAACCT					
	ACAGTTTGGA CTGAGAGCAC					
	GTTGTGGCTT GCACTGCTGT					
20	GCTTGCTTGA GCCAATGCTA					
	TGTATTTGCA TAGTGATGGC	TIGGAAGIGI	CCATAGAAGG	GATIGCAATA	AAGGIGIGIC	
	TTCCTTCTAA AAA					313
	SEQ ID NO:7567					
25	SEQUENCE LENGTH: 316					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08813					
30	SEQUENCE DESCRIPTION:					
30	GATCTTGAGT CAGAGAGGAT					
	CTTAGGTCTT AGGGAGATGG					
	CCGAACAACT GAGGGACCCA					
	TCCCCCGAAA ACGAGGTGCG					
35	TTCTGTGAAA ATGCTTTGTA	AAAAGTTGTT	ATTGTTTGCA	TAGAGCAGAT	TCTTGAGAAA	
	AACTGTTTTG GACCAN					316
	SEQ ID NO:7568					
40	SEQUENCE LENGTH: 316					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08814					
	SEQUENCE DESCRIPTION:					
45	GATCCCCGTC TGCTGACCAG					
	GAAAATCACA CAGTTTTCAG					
	AATTCACCTT CTAAAAACTC					
	GCTGTATTAT TTTAGATTTA					
50	AAAACATTCC AGTGTTCANC	IGTTTTNTAT	TATTANGGGG	CITITNATTT	GIGAACTICT	
	GANGGCATGA GTGTTN					316

	SEQ ID NO:7569 SEQUENCE LENGTH:226 SEQUENCE TYPE:nucleic ac	aid				
5	TOPOLOGY: linear CLONE: HUMGS 08815 SEQUENCE DESCRIPTION:	cru				
	` GATCTGGTGT ACCAGGCGAA G1	TGGTCCGAG	CAGGCTGAGC	GATACGACGA	AATGGTGGAG	60
10	TCAATNAAGA AAGTAGCAGG GA					
	TCTNTTGCAT ATAAGANTGT NA ATTGANCAGA ANGAAGAAAN CA				AATCAGCAGC	
	ATTUMBONDA ABUNANAMAN ÇA	ANDUNDUA	UAAUACAAUC	TAAANN		226
	SEQ ID NO:7570					
15	SEQUENCE LENGTH: 306	. ,				
	SEQUENCE TYPE:nucleic ac	Cld				
	CLONE: HUMGS08816					
	SEQUENCE DESCRIPTION:					
20	GATCAAGAGT TAAATAAAAA GC	CCCCAGGAC	GAAACAAGAN	GAGAGCACTT	CATGCCCTGT	60
	GGTACAAAAA AGAGCAGCTC TA					120
	TCTCCTGCCT CATTTGAAAG AC	CATCCCAGC	ACAGCATATC	ACGCTGTTTC	TTAAGTATTT	180
	GTATNNNNN GTACCTGAAG TG					
25	CACCTACCTT GANCCAGATT AT	rggattggn	TATGTCTACT	TCTGGATGCA	AATTTTNCTG	
	TTGTTN					306
	SEQ ID NO:7571					
00	SEQUENCE LENGTH: 304					
30	SEQUENCE TYPE:nucleic ac	id				
	TOPOLOGY: linear					
	CLONE: HUNGSO8817					
	SEQUENCE DESCRIPTION: GATCCTGCGA GGGTGTCATA AT	` ለ ቦቦተተርቦተ	ቸ ተተ ቦር አጥርሮጥ	ጉ ሶሶጥሶጥ ነ ጥ ነ ጥ	ጥ ፤ ጥ ፖር ፤ ምጥጥ	60
35	CAGCACATCT GCAGTAGCAA TA					120
	GGCTTATGGC TGTCTGAGCA GC					
	GATTINCTCA TICCTGAGCA CC					
	ATACTTCCAG TAGGTGATGC TT					
40	GTAN					304
	SEQ ID NO:7572					
	SEQUENCE LENGTH: 30					
45	SEQUENCE TYPE:nucleic ac	i d				
	TOPOLOGY:linear					
	CLONE: HUMGS08818					
	SEQUENCE DESCRIPTION:		•			
	GATCTGTACA AATAAAATNC CAA	AGTCCAAA				30

5	SEQ ID NO:7573 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08819 SEQUENCE DESCRIPTION:					
10	GATCATCTCT CCTTGGGTTT TCAAACCAAT GTCAAATAGA					60 118
15	SEQ ID NO:7574 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08820	acid				
	SEQUENCE DESCRIPTION: GATCTACCTA TACAGTCCTA	CATTAGCTTC	TAAAATATTT	GTCAGGAGGG	AAA	53
20	SEQ ID NO:7575 SEQUENCE LENGTH:102					•
25	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08821	acid				
	SEQUENCE DESCRIPTION: GATCCCGAGG CTTTGTCTTC NAANAACTCA AAAAAAAAN				GTTTTTNTTT	60 102
30	SEQ ID NO:7576 SEQUENCE LENGTH:362 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGS08822 SEQUENCE DESCRIPTION: GATCCTACTG ACAGCCATCG	TGCAGGTGCT	CAGCTGCTTC	TNTCTCTATG	TCTGGTCCTT	60
40	CTGGCTTCTG GCTCCAGGCC GTTCACTGCA GACAGTGGCA GGAGCGGCGG CAGATGAAGC	GGGCCCTTNA CCCCAGCACC	CCTCCTGTGG AGAGCACAAT	GTGAATGTNC GAGAAACGGC	TGGGCCCCTG AGCGCCGACA	120 180
	CTGGGTGGCT CTGTNAGGGT GGGGCCAAAA GCAGTCTTGA AN	GCACAGCCCC	TCATGCCTGG	AGCAATGAGG	GTCTAGTCCA	300
45						
	SEQ ID NO:7577 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					

	CLONE: HUMGS08823 SEQUENCE DESCRIPTION:	
	GATCACTCAT ATAACATGTC ATTITTTTGG TTCTGTTTTG GTTTGGTTTT TGCCAATNAT	60
5	**************************************	109
	SEQ ID NO:7578	
	SEQUENCE LENGTH: 361	
10	SEQUENCE TYPE:nucleic acid	
.0	TOPOLOGY: linear	
	CLONE: HUMGS08824	
	SEQUENCE DESCRIPTION:	
	GATCTTCACG GGGCTATTAT TTCAGTGACA AAATCCAAAT GCCCCTCTTA TGTGGGTATT	
15	ACAGGAATCC TTCTACAGGA AACAAAGCAC ATTTTCAAAA TTATCACCAA AGAAGACCGC 1 CTGAAAGTTA TCCCCAAGCT AAACTGCGTG TTCACTGTGG AAACCGATGG CTTTATTTCC 1	
	TACATTTACG GGAGCAAATT CCAGCTTCGG TCAAGTGAAC GGTCTGCGAA GAAGTTCAAA 2	
	GCGAAGGGNN CGATTGACCT GTGANTTCTT TGCCGTCTAA GGCAGTTGTT TATGACAGCT 3	
	GAAAACTGGA CACTCCCTAA NTGTCCACCT TTCAGTGAAG NGATAGTTAA GCCAATTCCN 3	
20		361
	·	,,,,
	SEQ ID NO:7579	
	SEQUENCE LENGTH: 323	
25	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08825	
	SEQUENCE DESCRIPTION:	
30		60
30	GGAAACTCCT GAAATTGGTG GAAAAAGTGG AATATGGCAG ATTGGGTAGG TAGGAGAACA 1	
	ATTTTGGAGA TTTTTTTTCT TATGTTAAAG TGTCTGCATT TTATTTGCTG TACCCTGCCT 1	
	ACTCTGGTTT TNAGGATTTT TTGACTTCTT CGAAAAGCAC TGAATAATCT CTTTNCCGGG 2	
	TCTAGATTTT TTGATGAGTA CTGTGTAAAA TTGTCAATAT TCAATGGATT ATTTAATAAT 3	
35	ANNTTAAGAN TTCCACTCAT AAN	23
	SEQ ID NO:7580	
	SEQUENCE LENGTH: 183	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUNGS08826	
	SEQUENCE DESCRIPTION:	
	GATCCTAAGT TAAGACTCTC CAAAGCAAAC ANTTGGTTTA AATCATTTAT CTGATGTAGA	60
45	TAAAAGGTAG AGAAACTTGT AGTGTTCTCC ACATAATGGA AAATGTACAA ATGCCTAGTT 1	20
	GTGTTGCCCA TCAATTTTGT ATATNTCCAT AATTTTNATT GTTGANAATT GCATTATNTT 1	80
	TTN 1	83
	SPO ID NO SCOT	
50	SEQ ID NO:7581	
	SEQUENCE LENGTH: 350	

	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08827					
5	SEQUENCE DESCRIPTION:	•				
	GATCCACCTG CCTCGGCCTC	CCAAAGTGCT	GGGATTACAG	GCAGGAGCCA	CCGCGCCTGG	60
	GCCTTTTTT AAGTTTTAAG	NNCCNATAAA	GNCACTGAAA	GGTGATGTGT	GTGGATGAGC	120
	TAGGAAGACC TGAAATAGGC	TCTCTCTAAA	TTAATCAAAT	TAATCCTGAA	GCCATTCTGC	180
40	AATACTGTCT TTAATGTATA	CTCACTTGTT	ATAGAAGCCA	GGGTTTTTNC	CCCTAATTTG	240
10	TATCATTGCT ATATGTGTTA	TTGTACCAAA	CTACACTGTT	TTAATTGCTG	TAAATTTTAA	300
	TATGTCTTAG TATCTGGGTG	TGGGAATCTT	GANAGCATGG	AGTTTGTGTN		350
	SEQ ID NO:7582					
15	SEQUENCE LENGTH: 348					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08828					
20	SEQUENCE DESCRIPTION:					
20	GATCCTTGGG AGAGCTATCA	CGGGAATCCA	GGCGTTCACG	GCCAGCAAGT	GAGCCGCTCC	60
	ATCAGGGGCC CGAAACTNTC	AAGCCCCTTT	NTGGAGAGNT	GCCTGGCTGG	ACCGTAGAGC	120
	GCTGTGCTCT GAGCTTAGAA	AGGGAGGTGG	CGGATGGAGT	GGGAAGTGAG	AGACACTGAT	180
	TTTNAAATAT CAAAATTTCC	CTTCTGAAGT	CGTTCAGATG	TNTTCCTTAA	AAAGAAGATG	240
25	GAATTCTCTG TAGAGCGTCT	CANTCCACTT	TTAACCATGG	NTGAGAGCAG	ACTCCATTTA	300
	CCNTGAAATA GCAGCTTCTT	TTGAGGGGAG	AGTGACATGG	AAGCAACN		348
	SEQ ID NO:7583					
30	SEQUENCE LENGTH: 258					
	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY: linear					
	CLONE: HUMGS08829					
	SEQUENCE DESCRIPTION:					
35	GATCTGCAGG TTTGGGCATA	TGCTTTCATC	ATTAAATTAT	CTGATAAAGT	TACAAGTCAC	60
	AAAGGAGAAT GAGAACTTAA	TGATTCTATT	GGATTTAATA	TATTAGCAAG	AAANCATACT	120
	ATTTNCATAT GTNTAGCTTA	GTAAGGCATT	ANCATAAGTN	CAANACCTAT	GANACAGATG	180
	CNTATTTCCT CAACATACTG	TGTCAGGTAT	ACTGTTTTAT	ANTINGGTIG	TTTTAGCCTT	240
40	ATTGCACACC NNCTCCCN					258
	SEQ ID NO: 7584					
	SEQUENCE LENGTH: 308					
	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUNGS08830					
	SEQUENCE DESCRIPTION:				_	
	GATCCATTTC ATTACAAGTA					
50	TCAAACACAA AAGGCAAGAT					
	GTGCCCACAG CACACAAGAG	TCAAAACAAA	TAAGCAACTA	AGNTCCTTAC	GGAAAAGGNA	180

	CAGNTTGTTC CTAAACCAGA AGAGGAGGTT GCCCAGAAGA AAAAGATATC CCGGAGGAAC CTGAGGANCC NAAACTTTTT GCCCCGGGGG TAATTCNGNC TTTNNATTAA TTTTNTTTAN NGGGNNNN	
5	SEQ ID NO:7585 SEQUENCE LENGTH:36	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE: HUNGS08831	
	SEQUENCE DESCRIPTION:	
	GATCTCTTAT CATAATAAAG AATCTTTGTC ATCAAA	36
15	SEQ ID NO:7586	
	SEQUENCE LENGTH: 227	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGS08832	
20	SEQUENCE DESCRIPTION:	
	GATCTAAGGA GGCCAGTGAA TTTCAAACAG GATTAAAAAG AAAAAAAACA GAGTTAGGTA	60
	TCAAATTAAG AATACTGAAA GCAAAGATAT AANTAGAACT TTAAAAGCAG CCAGAAAAAC	
	AAACATATTA CATATAGGGC AGCAACANTA AGANTAACCG CTAACTTTTG ATTAANNGTA	
25	LTLD LANGE AND CALLED A LANGE TO COLUMN THE CALLED AND	227
	SEQ ID NO:7587	
	SEQUENCE LENGTH: 215	
30	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS08833	
	SEQUENCE DESCRIPTION: GATCTATTGA GAATGGAATT GTTTTCTTAA TTTCATTTTC AAATTGTTTG TTGCTAGCAT	~~
35	ATAGAAATAC AAGTGATTTT NTATATTGCT CTTGTATCCT GTGACTTTGC TGAGCTTATT 1	
	TTAGTAGTTT TTTTTCACTG AATTCTTTAG GATTTTNTAC ATAAAAAATT CATATCATCT 1	
	0001101110 10100000 0 000000	215
40	SEQ ID NO:7588	
40	SEQUENCE LENGTH: 43	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO8834	
45	SEQUENCE DESCRIPTION:	
	GATCATATTT TTAAATAAAG CATTTTTTGT AGAAAGTGCT AAA	43
	SEQ ID NO:7589	
50	SEQUENCE LENGTH: 334	
	SEQUENCE TYPE:nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGSO8835 SEQUENCE DESCRIPTION: GATCAGGATA ACCAGGATGA TCAGAAATAG GACAGTGGCA ATGGNCTCAC TCCGAGGCCC GANGTGGAAT GGGAAGTTAA CATAAGGNCA CTTACTCAAC AGTNTCTCNG GTTTGCCCTT	TAGCAGTGAC TNTAAAGCCT TTCTCGGTCA AANAGGAAGC AGANGCACCT	ACTATCTGTA AATGTTGTCA NNNAGANGTT TTAGGCGGNG	AACAACCTTG AAATTTTAAG TTTCCAAAGA	TATCCTACTT AGAGTATTTA GAAAAGAAAG	120 180 240
15	SEQ ID NO:7590 SEQUENCE LENGTH:235 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08836	acid				
20	SEQUENCE DESCRIPTION: GATCAAATTT AAAAATCAGT GGNCTNATGC TCATAAGCAG CNAGANTCTA TATCCTCAGG CTAANTGGNC ATTTGGGGGA	TTCATGAGTG AAATGGTCCT	ACAAGTGTAG TTTTTTTCCT	CAAAAGCCAG ATAANTCACC	CCATATATTT AACCAACTAT	120
25	SEQ ID NO:7591 SEQUENCE LENGTH:172 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGS08837 SEQUENCE DESCRIPTION: GATCCAGAGC ACAGATGGCA ATAAATNTCA CGACACGACA CAGAATCTTA AAACCCAAGG	TTTCTCAGTT	TTAATTTAGA	TGTTTATNAC	CATGTGTTAA	
35	SEQ ID NO:7592					
	SEQUENCE LENGTH: 335 SEQUENCE TYPE: nucleic TOPOLOGY: linear	acid				
40	CLONE:HUMGSO8838 SEQUENCE DESCRIPTION: GATCAAGAGG AAGCATGACT					
45	CCGCTGGTGG TAGAGTCTCC GCTACTGCCA CGCTGAAAAC CAGGCCTCGT AAGAAAGATG GGCTGGAACT TGCTCTCTCT	TACCTGTGGG TAGCAGCATA	TTAAGGATGT TTCACTATCC	AGTTCCTTTG GTTAATCCTT	TAAGGGTGGG CTTTCTTTGA	180 240
	AATTTCCTCC AGGAAACTCA			AUNUUNUCACA	ITUNCITUUU	335

55

50

SEQ ID NO:7593

SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8839 SEQUENCE DESCRIPTION: GATCTGGGAC TTCTTTAGTA TCGAGTCTCC TTTGCACTCT TAAAAATTGT TGAGGA AGAGAGCTTT TGTTTTATG GGTTGTATCT ATCAATATTT ATCACATGAG AAATNA TTTATTTAAA AATAACTTTT TTATTGAGAA AGATAGCAGT GTTTTTTTTT AATCTT ATTGTTTAAT GTTTGATTA ATGCAAGACA GCCAGATTGT CCTATCAGCA TTCAAA TGCAGTAAGT TGTTTGATTA ATGCAAGACA GCCAGATTGT CCTATCAGCA TTCAAA TGCAGTAAGT TGTTTGACT AATGTATATG AGGAAAACCT GACCTCACTG AGATTT TGGAAAATGG AGGAGTATTT TNCCAGCCTT TNN 15 SEQ ID NO:7594 SEQUENCE LENGTH:220 SEQUENCE LENGTH:220 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAA AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE LENGTH:326 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCAGCTGC CGGGGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAAC AGGCCCAGGAG CCCTCCCTGG AGGACCTGTG AGGGTGCTG GCCCCTGGGAGCCCC CCTCCCTGG AGGACCTGTG AGGGTGCTG GCCCCTGGGAGAGG TCAGCATGTGAAC CTGCTGTCCC TGCTGAAC 35 CTCTGAGGGC CCCTCCCTGG AGGACCTGTG AGGGTGCTG GCCCCTGGGC TGCCCC NATGGCTTGC TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCT AGGCCCAGGA TCAGCCCGCC GTGGCTGGGA AGGTTCCCAGT CAGGGCTGCAG GGAGAGCTGG GCAGAAGCAG CGAGGGGCC CAGCTGGCA GACTGTAGCC CCGCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE LENGTH:327 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAACTTAGCTT CTGCTTACTA CCTGTTMAAA CCCAAATGGG TGACACC CTACGGTGAT GAACTTAGCTT CTGCTTACTA CCTGTTMAAA	
SEQUENCE DESCRIPTION: GATCTGGGAC TTCTTTAGTA TCGAGTCTCC TTTGCACTCT TAAAAATTGT TGAGGA AGAGACCTTT TGTTTTTATG GGTGTGTATCT ATCAATATTT ATCACATGAG AAATNA TTTATTTAA AATAACTTTT TATTGAGAA AGATAGCAGT GTTTTTTTTT AATCTT ATTGTTTAAT GTTTGATTTA ATGGAAGACA GCCAGATTGT CCTATCAGCA TTCAAA TGCAGTAAGT TGTTTTGACT AATGTATATG AGGAAAACCT GACCTCACTG AGATTT TGGAAAATGG AGGAGTATTT TNCCAGCCTT TNN SEQ ID NO:7594 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CCLONE:HUMGSO8840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT AGCCTGGTTA CAGTTCGAC TCCTCTCTCC AAGTGAATAG GCCCAGAAAG GTGTAAA AGCCTGGTTA CAGTTCGAC TCCTCTCTC AAGTGAATAG GCCCAGAAAG GTGTAAA SEQ ID NO:7595 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGGGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAG AGCCCAGGGC CCCTCCCTGG AGGACCTTGAAC CTGCTGTCCC TGCTGAG AGGCCCAGGTC CCCTCCCTGG AGGACCTTGAAC CTGCTGTCCC TGCTGAG AGGCCCAGGGG CCCTCCCTGG AGGACCTTGAAC CTGCTGTCCC TGCTGAGC AGGCCCAGGGG CCCCCCCTGG AGGACCTGTG AGGGTTGCAG CTGCCCCC AATGGGCT CCCCCCCTGG AGGACCTGTG AGGGTGCTG GCCCCTGGGC TGCCCCC AATGGCTTCG TGCTGACCCC CTGCAGGGCC CAGCTGGCA GACTGTAGCC CCGCCCC AGGGCCCACGTGC CCGCCGCG GGGGGGCC CAGCTGGCA GACTGTAGCC CCGCCCC AGGCCCACTAC CTCTTGTTAA AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE LENGTH:327 SEQUENCE LENGTH:327 SEQUENCE LENGTH:327 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAC CCTGTTACA CCCAAAGGTAC CAAAACCC CTACGGGAT GAGTTAGCTT CTGCTTACTA CCTGTTACAA CCCAAAGGTAC CAAAACCC CTACGGGAT GAGTTAGCTT CTGCTTACTA CCTGTTACAA CCCAAAGGTAC CAAAACCC CTACGGGAT TGAAACAGTGC TATGCTTACTA CCTGTTACAA CCCAAAGGTAC CAAAACCC CTACGGGAT TGAACAGTGC TATGCTTACTA CCTGTTACAA CCCAAAGGTAC CCAAAACCC CTACGGGAT TGAACAGTGC TATGCTTACTA CCTGTTACAA CCCAAAGGTAC CCAAAACCAACCC CTGCGAT TGGATTAGCTT CTGCTTACTA CCTGTTACAA CCCAAAGGTAC CCAAAACCAACCCCCCCCCC	
SEQUENCE DESCRIPTION: GATCTGGGAC TTCTTTAGTA TCGAGTCTCC TTTGCACTCT TAAAAATTGT TGAGGA AGAGAGCTTT TGTTTTATG GGTGCTACT ATCAATATTT ATCACATGAG AAATNA TTTATTTAAA AATAACTTTT TTATTGAGAA AGATAGCAGT GTTTTTTTTT AATCTT ATTGTTTAAT GTTTGATTTA ATGGAAGACA GCCAGATTG CCTATCAGGA TTCAAA TGCAGTAAGT TGTTTTGACT AATGTATATG AGGAAAACCT GACCTCACTG AGATTT TGGAAAATGG AGGAGTATTT TNCCAGCCTT TNN 15 SEQ ID NO:7594 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATAT AGCCTGGTTA CAGTTTCGAC TCCTCTCTC AAGTGAATAG GCCCAGAAAG GTGTAA SEQ ID NO:7595 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGA TOPOLOGY:linear CLONE:HUHGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACCGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGCCC TGCTGAC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCAGTC AGGCCT AGGCCCAGGN TCAGCCCGCC CTGGCTGGA AGGTTCCCTC CAGTGCCAGT CGCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCAGTC AGGCCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGA AGGTTCCCTC CAGTGCCAGT CGCCCC NATGGCTTCG TGCTGACTC ATAAACATTC TCTGTTGAGG ATGTCAGTC AGGCCT AGGCCCAGCAT CCCTTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGTGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT TGGAACTGGC TATGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC GACAGTGT TGGAACTGGC TATGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGTAT GGAATTGGCT TGTGTTACTA CCTGTNACAA ACCAAAAGTAC ACAAACC CTACGGTGTAT GGAGTTGGCT TATGCTGTAC CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA ACCAAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA ACCAAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC	
GATCTGGGAC TTCTTTAGTA TCGAGTCTCC TITGCACTCT TAAAAAATTGT TGAGGA AGAGGCTTT TGTTTTATG GGTTGTATCT ATCAATATTT ATCACATGAG AAATNA TTTATTTAAA AATAACTTTT TTATTGAGAA AGATAGCAGT GTTTTTTTTT AATCTT TGGAAAATG GTTTGATTTA ATGGAGACA GCCAGATTGT CCTATCAGCA TTCAAA TGCAGTAAGT TGTTTTGACT AATGTATATG AGGAAAACCT GACCTCACTG AGATTT TGGAAAATGG AGGAGTATTT TNCCAGCCTT TNN 15 SEQ ID NO:7594 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATATA AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAA CTCTTTGAAT GGACATAAAA TTCTGCTTGT TAAGAACAAA SEQ ID NO:7595 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACCGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCAGTC AGGGCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGA AGGTTGCCTG CAGTGCCAGT GCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCAGTC AGGGCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGA AGGTTCCCTG CAGTGCCAGT GCTGCAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGGA GACTGTAGCC CCGTCCAC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE LENGTH:327 SEQUENCE DESCRIPTION: GATCAGTGT TGCAACCGTGC CAGCTGGGA AACAAAGTAC CCGACCGC CCCACACTCA CTCTTGTTAG AGCCTN 40 SEQ ID NO:7596 SEQUENCE DESCRIPTION: GATCAGTGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGACTGGC TATGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGTAT GAGACTGGC TATGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGTAT GAGACTGGC TATGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGTAT GAGACTGGC TATGCTTACTA CCTGTNACAA ACCAAAAGTAC ACAAACC CTACGGTGTAT GAGACTGGC TATGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGTAT GAGATTTCTTCTTTACA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGTAT GAGATTTCTTCTTTACA CCTGTNACAA CCCAAATGGG TGACACC	
AGAGAGCTTT TGTTTTTATG GGTTGTATCT ATCAATATTT ATCACATGAG AAATNA TITATTTTAA AATAACTTT TTATTGAGAA AGATAGCAGT GTTTTTTTT AATCTT ATTGTTTAAT GTTTGATTA ATGGAGACA GCCAGATTGT CCTATCAGCA TTCAAA TGCAGTAAGT TGTTTTGACTT AATGGATATG AGGAAAACCT GACCTCACTG AGATTT TGCAGAAAATGG AGGAGTATTT TNCCAGCCTT TNN 15 SEQ ID NO:7594 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAA AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE GCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAC MATGGCTTGG TGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAA 35 CTCTGAGGGC CCCTCCCTGG AGGACCTGTG AGGTGGCCTG CCCCTGGGC TGCCCCC NATGGCTTGG TGCTGACTCC ATAAACAATC TCTGTTGAGG ATGTCCAGT CAGGCCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAG GGAGAGCTGG GCAGAAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCCC CCCACACTCA CTCTTGTTAG AGCCTN 40 SEQ ID NO:7596 SEQUENCE DESCRIPTION: GATCAGGTTG TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CCCACACTCA CTCTTGTTAG AGCCTN 45 TOPOLOGY:linear CLONE:HUHGSO8842 SEQUENCE DESCRIPTION: GATCAGGTGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT TGGAACGTGC TATGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGAT GAGATTGGCT TGTGTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGAT TGGATTAGCTT CTGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC	
AGAGAGCTTT TGTTTTTATG GGTTGTATCT ATCAATATTT ATCACATGAG AAATNA TITATTTTAA AATAACTTT TTATTGAGAA AGATAGCAGT GTTTTTTTT AATCTT ATTGTTTAAT GTTTGATTA ATGGAGACA GCCAGATTGT CCTATCAGCA TTCAAA TGCAGTAAGT TGTTTTGACTT AATGGATATG AGGAAAACCT GACCTCACTG AGATTT TGCAGAAAATGG AGGAGTATTT TNCCAGCCTT TNN 15 SEQ ID NO:7594 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAA AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE GCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAC MATGGCTTGG TGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAA 35 CTCTGAGGGC CCCTCCCTGG AGGACCTGTG AGGTGGCCTG CCCCTGGGC TGCCCCC NATGGCTTGG TGCTGACTCC ATAAACAATC TCTGTTGAGG ATGTCCAGT CAGGCCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAG GGAGAGCTGG GCAGAAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCCC CCCACACTCA CTCTTGTTAG AGCCTN 40 SEQ ID NO:7596 SEQUENCE DESCRIPTION: GATCAGGTTG TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CCCACACTCA CTCTTGTTAG AGCCTN 45 TOPOLOGY:linear CLONE:HUHGSO8842 SEQUENCE DESCRIPTION: GATCAGGTGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT TGGAACGTGC TATGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGAT GAGATTGGCT TGTGTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGAT TGGATTAGCTT CTGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC	ACCCC 60
TTTATTTAA AATAACTTTT TTATTGAGAA AGATAGCAGT GTTTTTTTT AATCTT ATTGTTTAAT GTTTGATTA ATGGAAGACA GCCAGATTGT CCTATCAGCA TTCAAA TGCAGTAAGT TGTTTTGACT AATGTATATG AGGAAAACCT GACCTCACTG AGATTT TGGAAAATGG AGGAGTATTT TNCCAGCCTT TNN 15 SEQ ID NO:7594 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLOME:HUMGSO8840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATAT AGCCTGGTTA CAGTTTCGAC TCCTCTTGC AAGTGAATAG GCCCAGAAAG GTGTAAA SEQ ID NO:7595 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLOME:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGGTCTGAAC CTGCTGCCC NATGGCTTCG TGCCACTCC ATAACATTC TCTGTTGAGG ATGTCCACT CAGGCCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGA AGGTTCCCTG CAGTGCCAGT GGCCCC NATGGCTTCG TGCTGACTCC ATAACACATC TCTGTTGAGG ATGTCCACTC AGGCCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGA AGGTTCCCTG CAGTGCCAGT GGCGCCC NATGGCTTCG TGCTGACTCC ATAACACATC TCTGTTGAGG ATGTCCACTC AGGCCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGA AGGTTCCCTG CAGTGCCAGT GCTGCAG GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE LENGTH:327 SEQUENCE LENGTH:327 SEQUENCE DESCRIPTION: GATCAGGTGT TGGAACGTGC TATGCTGTAG CGTGCTGGA AACAAAGTAC ACAAACC CCCACACTCA CTCTTGTTAG AGCCTN GATCAGGTGT TGGAACGTGC TATGCTGTAG CGTGCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GGAACGTGC TATGCTGTAG CGTGCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GGAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGAT GGAGTTAGCTT CTGCTTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGAT GGAGTTAGCTT CTGCTTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGAT GAGGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGAT GAGGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGAT GAGTTAGCTT CTGCTTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTAT	
ATTGTTTAAT GTTTGATTTA ATGGAAGACA GCCAGATTGT CCTATCAGCA TTCAAA TGCAGTAAGT TGTTTTGACT AATGTATATG AGGAAAACCT GACCTCACTG AGATTT TGGAAAATGG AGGAGTATTT TNCCAGCCTT TNN 15 SEQ ID NO:7594 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATAT AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAA CTCTTTGAAT GGACATAAAA TTCTGCTTGT TAAGAACAAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGCCC TGCTGAA GGCCCAGGN TCAGCCCCGC GTGGCCTGGA AGGTTCCCTG CAGTGCCAGT GCCCCC MATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGCCTCAGGGC TCAGCCCAGGGC CAGCTGGGA GACTGTAGCC CCGTCCCC GGAGAGCTGG GCAGAACCAG CCAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CCCACACTCA GAGTTAGCTT CTGCTTACTA CCTGTMACAA CCCAAGTGGG TGACACC GTTCAGGGTGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTMACAA CCCAAGTGGG TGACACC	
TGGAAAATGG AGGAGTATTT TNCCAGCCTT TNN SEQ ID NO:7594 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATAT AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGGTCTGAAC CTGCTGTCCC TGCTGAAG AGGCCCAGGN TCAGCCCGCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGA AGGTTCCCTG CAGTGCCAGT AGGCCCAGGA GACTGTAGCC CCGACCTG CCCCCCCCCC	
TGGAAAATGG AGGAGTATTT TNCCAGCCTT TNN SEQ ID NO:7594 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATAT AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGGTCTGAAC CTGCTGTCCC TGCTGAAG AGGCCCAGGN TCAGCCCGCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGA AGGTTCCCTG CAGTGCCAGT AGGCCCAGGA GACTGTAGCC CCGACCTG CCCCCCCCCC	TTAAT 300
SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATAT AGCCTGGTTA CAGTTTCGAC TCCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAA SEQUENCE GEGGAACCAG CGGGGCCCGGGG AGGGTCCAGGCCCGGGC TGCCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCTTC AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGC CAGCTGGCGA GACTGTAGCC CCGTCCCC CCCACACTCA CTCTTGTTAG AGGCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC	333
SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATAT AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE LENGTH:326 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAA GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAA GGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTGCCCT CAGTGCCAGT GCCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGA AACAAAGTAC ACAAACC CTACGGTGAT GAGCTGTC TATGCTGTAG CGTGTCTGA AACAAAGTAC ACAAACC CTACGGTGAT GGGACGTGC TATGCTGTAG CGTGTCTGA AACAAAGTAC ACAAACC CTACGGTGAT GAGCTGCT TTGCTTACTA CCTGTNACAA CCCAAAGTGC TGACACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAAGTGC TGACACC	
TOPOLOGY:linear CLONE:HUMGSO8840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATAT AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAC CTCTTTGAAT GGACATAAAA TTCTGCTTGT TAAGAACAAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCA GACTGTAGCC CCGTCCC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGA AACAAAGTAC ACAAACC CTACGGTGAT TGGAACGTGC TATGCTGTAG CGTGTCTGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAGTGGG TGACACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAGTGGG TGACACC	
CLONE:HUMGSO8840 SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATATA AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAA 25 CTCTTTGAAT GGACATAAAA TTCTGCTTGT TAAGAACAAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE LENGTH:326 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAAA SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAAA SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CGGNGTCTC AGCTCTGAAC CTGCTGCCC TGCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCTT AGGCCCAGGN TCAGCCCGCC GTGGCTGGAA AGGTTCCCTG CAGTGCCAGT GCCCCC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCAC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE LENGTH:327 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAGTGGG TGACACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAGTGGG TGACACC	
SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATAT AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAA CTCTGAAGGC CCCTCCCTGG AGGACCTGTG AGGGTGCTG GCCCCTGGCC TGCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGCCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGA AGGTTCCCTG CAGTGCCAGT GCTGCAAC GGAAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAAGTGC TGACACC CTACGGTGAT GGACTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAAGTGC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAAGTGC TGCACACCTCACTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAAGTGC TGCACACCTCACTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAAGTGC TGCACACCTCACTTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAAGTGC TGCACACCTCTCTCTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAAGTGC TGCACACCTCTCTCTTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAAGTAC ACAAACCCTACCGTGGTAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAGTGGG TGACCACCTACCTGTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAGTGGG TGACCACCTACCTGTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAGTGGG TGACCACCTACTACTA CCTGTTACTA CCTGTNACAA CCCCAAGTGGG TGACCACCTACTACTA CCTGTTACTA CCTGTTACTACTACTACTACTACTACTACTACTACTACTACTAC	
SEQUENCE DESCRIPTION: GATCTCCTCC ATACGGAACT TTCTCATCTA CGTGGCCCTC CTGCGAGTCA CTCCAT CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATAT AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAA 25 CTCTTTGAAT GGACATAAAA TTCTGCTTGT TAAGAACAAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAC CTGCTGTCCC TGCTGAA GGCCCAGGN TCAGCCCCCC GTGGCTGGA AGGGTGGCTG GCCCCTGGGC TGCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAA GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGCACCC	
CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATATTAGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAT CTCTTTGAAT GGACATAAAA TTCTGCTTGT TAAGAACAAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUHGS08841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAC CTCTGAGGGC CCCTCCCTGG AGGACCTGT AGGGTGGCTG GCCCCTGGC TGCCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCTT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGCACACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGCACACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGCACACCTACCTTACCTT CTGCTTACCTA CCTGTNACAA CCCAAGTGGG TGCACACCTACCTTACCTA CCTGTNACAA CCCCAAGTGGG TGCACACCTACCTACCTTACCTA CCTGTNACAA CCCCAAGTGGG TGCACACCTACCTACCTACCTACCTACCTACCTACCTACC	
CTTAAAGAAA TTGGACAGCA TATGAAGACA GGACATCACA TATGAATGCA CGATATTAGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAT CTCTTTGAAT GGACATAAAA TTCTGCTTGT TAAGAACAAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUHGS08841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAC CTCTGAGGGC CCCTCCCTGG AGGACCTGT AGGGTGGCTG GCCCCTGGC TGCCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCTT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGCACACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGCACACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGCACACCTACCTTACCTT CTGCTTACCTA CCTGTNACAA CCCAAGTGGG TGCACACCTACCTTACCTA CCTGTNACAA CCCCAAGTGGG TGCACACCTACCTACCTTACCTA CCTGTNACAA CCCCAAGTGGG TGCACACCTACCTACCTACCTACCTACCTACCTACCTACC	TTTAT 60
AGCCTGGTTA CAGTTTCGAC TCCTCTCTGC AAGTGAATAG GCCCAGAAAG GTGTAAA CTCTTTGAAT GGACATAAAA TTCTGCTTGT TAAGAACAAA SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAA AGGCCCAGGN TCAGCCCGCC GTGGCTGGAA AGGTGCCAGT AGGCCTC AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAA GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCA CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACA CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAATGGG TGACACC	
SEQ ID NO:7595 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAAC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGCCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACC	
SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGA AGGTTCCCTG CAGTGCCAGT GCTGCAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACCC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACCC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAGTGGG TGACACCC	220
SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAAC SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGGTGGCTG GCCCCTGGGC TGCCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCTC AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACCCCTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAGTGGG TGACACCT	
TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAAC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGA AGGTTCCCTG CAGTGCCAGT GCTGCAAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACCC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACT	
TOPOLOGY:linear CLONE:HUMGSO8841 SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAC CTCTGAGGGC CCCTCCCTGG AGGACCTGTG AGGGTGGCTG GCCCCTGGGC TGCCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACCCCTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAGTGGG TGACACC	
SEQUENCE DESCRIPTION: GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAAC CTCTGAGGGC CCCTCCCTGG AGGACCTGTG AGGGTGGCTG GCCCCTGGGC TGCCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAA GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAGTGGG TGACACC	
GATCTGTGCT GGCCACGTGC CCGGNGTCTC AGCTCTGAAC CTGCTGTCCC TGCTGAAC CTCTGAGGGC CCCTCCCTGG AGGACCTGTG AGGGTGGCTG GCCCCTGGGC TGCCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAC GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCCAAGTGGG TGACACC	
CTCTGAGGGC CCCTCCCTGG AGGACCTGTG AGGGTGGCTG GCCCCTGGGC TGCCCCC NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAG GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACC	
NATGGCTTCG TGCTGACTCC ATAAACATTC TCTGTTGAGG ATGTCCAGTC AGGGCT AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAG GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACC	AGAAG 60
AGGCCCAGGN TCAGCCCGCC GTGGCTGGGA AGGTTCCCTG CAGTGCCAGT GCTGCAG GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACC	CTTCT 120
GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACC	TTGAC 180
GGAGAGCTGG GCAGAAGCAG CGAGGGGGCC CAGCTGGCGA GACTGTAGCC CCGTCCC CCCACACTCA CTCTTGTTAG AGCCTN SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACC	AGCAG 240
SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACC	
SEQ ID NO:7596 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACC	326
SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACC	
SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACC	
TOPOLOGY: linear CLONE: HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACT	
TOPOLOGY: linear CLONE: HUMGSO8842 SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACACT	
SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACAC	
SEQUENCE DESCRIPTION: GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACAC	
GATCAGATGT TGGAACGTGC TATGCTGTAG CGTGTCTGGA AACAAAGTAC ACAAACC CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACAC	
CTACGGTGAT GAGTTAGCTT CTGCTTACTA CCTGTNACAA CCCAAGTGGG TGACAC	CCTGG 60
FA	
GAACCTTCTC CAGTCTGCAG GCTGGCATAG AAGGCTCTTA GATTATATTG GGCAGCT	

	AATCTGCCGA AGCAGTGACT GAAGATAGCT TTTGGTTGTA					
	GAGCAGAGGC AAAGGAGAAA	AGCAGTN				327
5	SEQ ID NO:7597 SEQUENCE LENGTH:278					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGSO8843 SEQUENCE DESCRIPTION: GATCTTTCCT CCCTCCCCTG	CATGAGGCAG	AGGCAAGCTG	CCTGCCAACC	CCCTCCCTCA	60
	AGGAATGGCC TTGCCCAGGA					
15	CTCTTGTTTA TTCCTTGGNT					
	TTNNATTTCA TGGAATTTGG	GATTGANGTT	AAACTACAAC	AGTGCCGCCA	ACACCAAGTN	240
	TTGCAGGAAA AAAATACAAA	GAAATTTANC	ANANAANN			278
	SEQ ID NO:7598					
20	SEQUENCE LENGTH: 202					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08844					
25	SEQUENCE DESCRIPTION:					
	GATCTTCATT ACCGTTNCAT	GATTGGAAAT	ANTTAAAACA	TTGTACAGTT	${\tt TTAGTATAGA}$	60
	GAAATNTAAT GGNTTTTTGT	AACCAGTTTC	TGTCTGCATG	TAATTTGGAT	TTCTCAAATA	120
	CATTCATTAG TAATTNATCA		TTTTATTTNN	GTCCATCTCC	TTATCTATAA	180
30	AANGGGGATA TNCTTAGGAT	NN				202
	CEO ID NO.7500					
	SEQ ID NO:7599 SEQUENCE LENGTH:47					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				•
35	CLONE: HUNGS 08845					
	SEQUENCE DESCRIPTION:					
	GATCCATAAT ATAGCATCAC	ATCTCAATAA	ATTTATTTGG	AAGCAAA		47
40	CEO ID NO.7COO					
	SEQ ID NO:7600 SEQUENCE LENGTH:327					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08846					
45	SEQUENCE DESCRIPTION:					
	GATCTGCCCA CCTTGGCCTC	CCALAGTGCT	CCCATTACAC	CCATCACCCA	CTGTGCCTGC	60
	CCCCTTCCTG TAAAATTTTN					
	GCCTGGGGTG CTGAGCTANN					
50	ACACGGTCAC CTGGAGCCGG					

	TAGGTCCCTN TGGCCAACTG CCCTGGTCCA GCCTNGCCTC		GCCTGTGGTT	ACCCGAAGCC	CAGCTTGGGG	300 327
5	SEQ ID NO:7601 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGSO8848 SEQUENCE DESCRIPTION: GATCTAGATG CTGGTATTGA	GGTGGGAGAC	AAGTACTGCC	ACCNGAAACA	ACAGTCTTGG	60
	TAAATTTAGC CGACGAGGGT					
	GTACCACTAG AGGGCATCNC					
15	CCTTTAGTTT TCCTGAAAGA					
	CATATGATGT AATTTTAAAG GGGNTTCAGT TAACTNATTT		TTTANAANTT	TAATGGTTGC	TACATAAAAN	300 326
20	SEQ ID NO:7602					
	SEQUENCE LENGTH: 310					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08849					
25	SEQUENCE DESCRIPTION:					
	GATCTCAGCA GGGAACCATG	GAAGCACCCA	CCCCCTTGCA	TTTTGGCTTA	CCTGTAGCGG	60
	AATGCAACAG AGAATTTTAT					120
	GGTGGAAACC ATCAAACTAA	AAGAGAACCA	GAAATCATTT	AAAGGTCACG	TGAGGAGCTT	180
30	CTGTNTTGTG CAACTTAAGC					
30	CATCTGCATA TTCACCATCC	TCAGGTCAGA	TTCTATGATA	CTGNNAATAA	AGGCATTCTG	
	GAAAANTAAA					310
	SEQ ID NO:7603					
35	SEQUENCE LENGTH: 287					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS08850	•				
	SEQUENCE DESCRIPTION:					
40	GATCCGGTCA GCAGCCCCTG	TGGCTAGAGG	AACACCAGCA	CAAACGACAG	CCTCAAGTCT	60
	CCTTCGAGCT TTATATCCAT					
	GCAACTGTTG TTGAATGATG					
	NCACATCGGG TGTTTGTNAT					
45	AGCCAATATG TCATTCACCT	TCNGGTTTAT	NTTGTGNANC	CCCANNN `		287
	SEQ ID NO:7604					
	SEQUENCE LENGTH: 66					
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY-linean					

5	CLONE: HUMGSO8851 SEQUENCE DESCRIPTION: GATCGAGTTT TGGTTCGGGT TGCAAA	TAACTGTGTG	CCTACTGAAC	CTGGCAAATA	AACATCACCC	60 66
10	SEQ ID NO:7605 SEQUENCE LENGTH:339 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08852	acid				
15	SEQUENCE DESCRIPTION: GATCTGGAAT GTGAAGCGTT TTGGGAAAGA AAAAAGGAAG CCAAATGCAA TGTGAAATAT GAGGTGGGGG TGGGAGGCCA AGATTTTGAN TGATATTGGA	TGGAATGGGT TTTACTGGAC GCACGGTGGT TAATTATTGG	AACTCTTCTT TCTATTTTGA GAGGCAGTTG TAATTTTATG	GATTAAAAGT AAAACCATCT AGAAAATTTG	TATGTAATAA GTAAAAGACT ANTGTGGATT	180 240 300
20	AGTTTATAAA AGACTGTCTT	AATTTGCATA	CTTAAGNTN			339
25	SEQ ID NO:7606 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08853	acid				
30	SEQUENCE DESCRIPTION: GATCCTTTGT GAGCAAGTTC TGTTTCATTT TACAAGAACT					60 120
30	GATATAGTGA ACACTGGAAA AGTCCCTCAT TAGATTTTTT AGTAGAATCA GGCACTGCTC CTTGTTCTAA TATATATNTN	TTTTCTTAAG GCAGAAGGAN	CATAAGACTG CACAGATTGT	ANCTTAAATG	TGTTAATTTT	240
35	CITOTICIAA TATATATATA	IMMODALITO	Idiodan			
	SEQ ID NO:7607 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS08854 SEQUENCE DESCRIPTION: GATCCGTGGA TTGAGGGTGC	ቦጥጥጥቦር ልጥጥጥ	ል ም ምምም ምምምም	ጥር ምጥጥ አ ር ጥጥጥ	ሮ ተተታር ል አሮር ል	60
	AGTTTTGTAG TTTTCAGAGT					
45	ATTTTTGTAG TTTTCAGAGT ATTTTTGGTG CTATTGTAAA TATACAGAAA TACAGCTGAT	TNAAATCTTC				
50	SEQ ID NO:7608 SEQUENCE LENGTH:207					-30
	SEQUENCE TYPE: nucleic	acıd				

5	TOPOLOGY:linear CLONE:HUMGSO8855 SEQUENCE DESCRIPTION: GATCAAAACT TTTCATAATA AATATACAAC GGAGCATTCC ATGCTTGCNT GTACAGTACT TCAATAAATA TAATCACCTT	AGATGCTAGA CGTATGTTTT	GTGACAGCCT	CACTCAGACT	CAGGGGATGC	
10	SEQ ID NO:7609 SEQUENCE LENGTH:249 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGSO8856 SEQUENCE DESCRIPTION: GATCTTCGTG GTGGAAAGCT	AAATTTTAAA	ACCACCCCAA	TGGATGCAGA	CAGTGATGTT	60
	GCATTGGACA TTCTAATTAC	AAATGTAGTC	TGTGTTTTNA	GAACAAGATG	TCATTTAANC	120
	TTAAGGAAGA TTGCTTTGGA	AGGNGCAAAT	GTAATTNATA	ANCGTGATGT	TGGAAAAGTA	180
20	TTANTGAGGC TTAGAAAACC	TAGANTTACA	GCTACANTTN	GGTCCTCAGG	AAANNTTATT	240
	TGCNCTGGN					249
	SEQ ID NO:7610					
25	SEQUENCE LENGTH: 319					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS 08857					
	SEQUENCE DESCRIPTION:					
30	GATCTGTAGT ATTTTAATGT	GCATCTACTT	TAAATGAGTC	ATCTTGGGGT	TTTATAATT	60
	CCCTTATGTT CTCGCCCCTC					
	NTCTCTTATA GGAGACAGGC					
	TCANAGTTGT AAAATATTTT					
35	TTTTNTTTGC AGCATTTTCA					
35	GNGCGTCGAT GTGAGGCGN					319
	SEQ ID NO: 7611					
40	SEQUENCE LENGTH: 208					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGSO8858					
	SEQUENCE DESCRIPTION:					
45	GATCTACAAA AAATTCCTGG					
	TATATGGCCT ANGAAAGCAA					
	TAAGGGTGCA GACATGAATG		AAAAGGNCCA	ACAGAAATCT	GTGATAANNC	
	GNAAGACTAA NGAAATTTTC	CNAAAGGN				208
50	0E0 ID NO.7610					

55

SEQ ID NO:7612

5	SEQUENCE LENGTH: 321 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS 08859	acid				
10	SEQUENCE DESCRIPTION: GATCTTCCCA CCTTCAGCCT GGTAGTTTTT NAAGTTTTT CCTGAGCTCA AGCAATCCTG TAGTATATAG GTCATGAGGG ATGTTTTTNT GTAACCATCC CTTTTCTACT NCTAGTCTAA	TGTAGAGGTG CTTCAGCCTC ATATGGGATG TGGTCANCTT	GTCTAGCCAT CCAAAGTACT TGGTACTTAT	GTTGCCTAGG GGGATTACAG GAGACAGAAA	CTCCCGAACT GCATCTNCTG TGCTTACAGG	120 180 240
15	SEQ ID NO:7613 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS08860 SEQUENCE DESCRIPTION: GATCCTTCCT AGGGGATGGG ATAGGAGGCC CACGGGCCTG AATCTCAACT CCCAAA					
25	SEQ ID NO:7614					
30	SEQUENCE LENGTH: 47 SEQUENCE TYPE:nucleic TOPOLOGY: linear CLONE: HUMGSO8861 SEQUENCE DESCRIPTION: GATCCCGTCT CTACAAAAAA		TTAGTCGTGG	TGCCAAA		47
35	SEQ ID NO:7615 SEQUENCE LENGTH:36 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS08862 SEQUENCE DESCRIPTION: GATCACTTTT TCAATATTAA	ATNTTATTTA	CATAAA			36
45	SEQ ID NO:7616 SEQUENCE LENGTH:260 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE:HUMGS08863 SEQUENCE DESCRIPTION: GATCATCATG AAATNATAAG	AGGGCTTAAG	AATTTGTCCA	TTTGCATTCG	GAAAAGAATG	60

	ACCAGCAAAA GGTTTACTAA TGAGTTTCAA GAATTAAAGC					
	GGTTGGAGTT GTTAGCAATT					
5	ATTTTGTTGT TATTTTTAAA		IUCCAACIUU	AGAAGICIGI	IIIIAAAIAU	260
	ATTITUTE OF TATTITIANA					200
	SEQ ID NO:7617					
	SEQUENCE LENGTH: 102	. ,				
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08864					
	SEQUENCE DESCRIPTION: GATCAACTTT AGTCACCAAC	CCALATCCAC	CATTUTECC	TTOTOCONOC	ጥጥ 4 ጥ 4 ጥጥ ር ር ር ጥ	co
15					HATAIGCCI	
•	ATAGNTGŢGG ACATTTGCAT	IACACAACIG	GANICITING	IN		102
	SEQ ID NO:7618					
	SEQUENCE LENGTH: 228					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08865					
	SEQUENCE DESCRIPTION:	00.0000000	0.000.0000	1001001mmm	D	
25	GATCAAGGGG CCTCTCAGAA					
	CCAGGNCAAA ACCATGTGGG TTCCAAATCA TGGGAGCCAC					
	TCAACTNTTT GCTCATGGCT				CIGGAGCCGG	228
		AUTUAAATAA	Adiidiiida	UIACIAAA		220
30	SEQ ID NO:7619					
	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS08866					
	SEQUENCE DESCRIPTION:					
	GATCTCTTAC TCCCCCAGTT					
	TGGAAATATC TTTATCCTAC	TTTNTCCAAT	AAAGGCTGTT	CTTAGCTTTT	AAA	113
40	SEQ ID NO:7620					
	SEQUENCE LENGTH: 279					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS08867					
	SEQUENCE DESCRIPTION:					
	GATCACCTGN CAAATGTTTG					
	CTGGTGCTGC AGGCCTTGCG				- •	
	GCTAAACACG ACTATATCCC					
50	TGTGGGTTGG TCTTAAAGCA			CIGGCAATTT	LINAGCTAAC	
	TGTAATGATA AAAAGGGAGT	MITAATOTAT	ICIGAAICN			279

	SEQ ID NO:7621 SEQUENCE LENGTH:198					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS08868					
	SEQUENCE DESCRIPTION:					
	GATCAAGTTG TGGTGGATAA					
10	CTTGAGAAGT TACTTCATCA	_				
	AAATATTACA AGTNCAGCAA NCTGTGGCAG CATTAANN	AUNUAAUACA	IIAAAUIGGC	LUUNAANNNN	GGIIAAICAA	198
	, HOTGIGGONG CATTANH					130
	SEQ ID NO:7622					
15	SEQUENCE LENGTH: 184					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear				•	
	CLONE: HUMGS08869					
20	SEQUENCE DESCRIPTION:					
,	GATCCAGAAA GTAGCAATAT					60
•	GCAGTCTAGG CTAATCATNT ATGCCCTCAA AATGGTGGGG					
	GNCN	UNIMAMNIGI	AAGATATICI	TIAGCIGNNN	HATTINACC	184
25	unch					104
	SEQ ID NO:7623					
	SEQUENCE LENGTH:212					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
00	CLONE: HUMGS08870					
	SEQUENCE DESCRIPTION:					
	GATCCTAAGT CTCTTACAAA					60
	TTGTGTTGTT TTTTTAACTG					
35	GTAATTCCCG TACGTGTTCA TTGACTAAAA TCACTCAATT			AUCCAIGIAI	CANTALICAC	212
	TIUNCIANAN TONCTONATI	AMICAMIUMA	AA.			212
	SEQ ID NO:7624					
40	SEQUENCE LENGTH: 373					
40	SEQUENCE TYPE:nucleic	acid				
• • •	TOPOLOGY: linear					
	CLONE: HUMGS08871					•
	SEQUENCE DESCRIPTION:					
45	GATCGCAGAC CGCGCTGCCC					
	TGCCGCCCAC CACGGACGGA					
	AAAATTTTCC GTCTTATTTC GCAGAGTGAG AACTTTCCCT					
	ATGTGTTGTC CAAAATGCCG					
50						

	TTANGTATGT ATGGAATGTT TATGGATAGG GACATAGTAG TAGCGGTGGT CAGACCATGG 360 GAANTGGGTG GNN 373	
5	SEQ ID NO:7625 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic acid	
10	TOPOLOGY: linear CLONE: HUMGS08872	
	SEQUENCE DESCRIPTION: GATCCTACAA GCATGTCTGC TGTAACTCTA TGTATGTTTT CTGTAAAATC ACATACCTAT 60 AAAATAAAAA GAAA 74	
15	SEQ ID NO:7626 SEQUENCE LENGTH:53	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE: HUMGSO8873 SEQUENCE DESCRIPTION:	
	GATCGTGAAC ACTGCATTCC AGCCTGGGTG ACAGAGCCNG ACCCTGCCTC AAA 53	}
25	SEQ ID NO:7627 SEQUENCE LENGTH:379	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE: HUMGSO8874 SEQUENCE DESCRIPTION:	
	GATCTACCCA CCTTGGCCTC CCAAAGTGCT GGGATTACAG GCGTGAGCAC CGCGCCTGGC 60 CCTCTGCAGT TGTTTAATAA GGCACAGAAT ACCTGTAGCA TAGGTCAGCC TTACGATGTC 120	
	CATGAATTAC ATATTCAGAC GTTTTAGAGC CTGATACATT TTGGAANCGA AAAACAACTT 180 CTACACCTAT TCTACAGTCC GCATTTAAAA CAATAAATTC CTCTATTAAA AACGTAAAGC 240	
35	CGGGTTTGCT TGCGTGCCAC AGGGGGTATA TCCAGGAAGG TTATTATGAA GCTGTCAAAT 300 - CAAGATGATG GNAATAAGGC AGTTTGAACG GACAGTCTC CCACAGTCAG GCCATTTTTG 360	
	CTGATTTGGT TTAGGATTN 379	;
40	SEQ ID NO:7628 SEQUENCE LENGTH:212	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
45	CLONE: HUMGS08875 SEQUENCE DESCRIPTION:	
	GATCGGGCGC TGTGCAGTGT GGTCAGCATG GTGAAGAAAG TCATTTCCTC GGTGGGCAGT 60 ATTCCTCTTT ATCTCTCATT ACACTGGAAA TGTTATTTCT GCTGTATCAT CCGTGCTCAA 120	
	CGTTTTAGTC TGTCAGGCTC ACCTTCTCTC TGGAAAGAAT TTGCTTAACT TGACATTCCA 180)
	TGTGCCGCTA ATAAAATATA TTTTGAAAGA AA 212	,

5	SEQ ID NO:7629 SEQUENCE LENGTH:350 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08876
10	SEQUENCE DESCRIPTION: GATCAGAANT AATTACCATT CCCNGTGTTT TGCTGTAGGA CCTTCAGGTC TATGTTCTAA 6 GTGGGGNTTA TGAAACTGGT AATAGAAAAT AATGGAGGGC AGTTAAAGAG TTAATATACA 12 TTATTAATAT GNGTGCTCTC TACAGGCACA CAAAGCCTGT AGACTCAACA AATTTACTCC 18 TGAAGTTTTC CAAATTTGCA AAATCTGCAA TTTNTGTGCC ACATAAAGCT NTCCAGAAAT 24 TGAAAANCNG TAAANCACCG GGTCTCANTT TNTTCCTGCA TTTCACTGAT ACCTTAANTT 30 ACATAGNTTA NCTTCTTTAN AGCACTACCT TTTTNGCTGT TGNTATTAAN 35
15	
20	SEQ ID NO:7630 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08877 SEQUENCE DESCRIPTION: GATCTCACAA CTGCACTCCA GCCTGGTGAC AGAGCAAGAC TCCATCAAAA ATAAACAAAT 6 AAAACAAACA AACAAA
25	manumun anuma
30	SEQ ID NO:7631 SEQUENCE LENGTH:185 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08878 SEQUENCE DESCRIPTION:
35	GATCAAAGTC TGCTTCATTG TCTTGTTCCC CATTTTAATG GCAATGTTAG GTATAATNTT 6 TGCTTTTATT AAGTATAATN TTTGCTTTTG TTGGTAGAGT TTTACGATTT TACATCAGAA 12 GTACCTGTTC AACTTAATTG CCACGTTTAA GCATCAATTA AAATATTTTC ATTGAACTCA 18 TGAAA 18
40 .	SEQ ID NO:7632 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08879
45	SEQUENCE DESCRIPTION: GATCTTTTAG GAATTAAACT TGCAAATNAA ATGAAATATG TTGGGACTTT GGCATAATTT 6 GAATATAGCA TTGTGTGAGT TGTGATTGTN TCTTCCTAAT TGTGCTGTAA TAACCTGTGT 12 ATGAGAATAA AATGATTTCC ACCATCAAA 14
50	SEQ ID NO:7633 SEQUENCE LENGTH:193

	SEQUENCE TYP		acid				
	TOPOLOGY:lir CLONE:HUMGSO						
5	SEQUENCE DES						
	GATCTCACTC C		GTGTAAAATA	TTTTTGCACT	GTTGTGAAGT	ATTTTTAACT	60
	TTTTTCTGTA C	ATAACTGTG	TTCTCAGAGC	TGAATGTTTA	TATCTTTTGC	TGTGCAAAAG	120
	AAACANNNA A	ATGTTGTTC	AGTTGTATAT	ACAGAAATGT	GTATAAAACA	TTTTGTTATT	180
10	TTTNAAAAGT A	AA					193
	SEQ ID NO:76	34					
	SEQUENCE LEN	GTH: 148					
	SEQUENCE TYP	E:nucleic	acid				
15	TOPOLOGY: lin	ear					
	CLONE: HUMGSO						
	SEQUENCE DES						
	GATCAAGAAT T						
20	TATTTTAAAC T			TAGTGCGATG	TTTTAGAAGC	AGTCTTCAAA	
	GAATAAAACA C	TAACCATGC	ATGTGAAA				148
	SEQ ID NO:76						
	SEQUENCE LEN						
25	SEQUENCE TYP		acid				
	TOPOLOGY: lin						
	CLONE: HUMGSO						
	SEQUENCE DES		<u>.</u> ርርር ርጥ አርጥ አጥ	ለጥርጥር ል አ ርጥጥ	<i>ርር</i> ነጥተር ተጥር ተ	ጥ 4 ጥ 4 ጥ 4 ጥጥጥ 4	c n
30	GATCCATTTC T AACTTTCCCT C			-	· ·		
	CCTTGCAGAA C						
	CACAGGGCTT G						
	TGAAGGCTAC T						
35	GTTTCCTAAG T	•					
	AGGAAGTACC G						376
	SEQ ID NO:76	36					
	SEQUENCE LEN						
40	SEQUENCE TYP	E:nucleic	acid				
	TOPOLOGY: lin	ear					
	CLONE: HUMGSO	8883					
	. SEQUENCE DES	CRIPTION:					
45	GATCCCATTC A	TTGTCCCCT	TTGGGGTATT	TCCAATACTT	GAATGGCAGA	TTGGAGTTTT	60
	TCAGAGTATG T	GTTTCATCT	GCTAGTCTTT	CTCTCCTTCA	TAGCTTTTCT	TTTCCTGGAC	120
	TTGCTCCTTT T						
	TAGCTCCTTA T				TTTGTATACA	AGTTAGGNCC	
	AGCTGTTGTT A	CATGTAATA	TNNTGGTTCA	GAACTTGAN			279

5	SEQ ID NO:7637 SEQUENCE LENGTH:373 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08884	acid				
10	SEQUENCE DESCRIPTION: GATCTCTGAT TGCATCTATG TAGTATACCC TGGAATTGCT TTTTTAAGTT TGGCCGCACT CAACAGCCCT GCATGGGTTT CATTTNCTAA ACTTATTCT	GTATTTTNCC GAAGACTTAT GTTTGTTTTT GAGTGTAGTC	AGAATGCCTT GGCAGTGAAC TTACTGCTCA TCAGCTTAAA	CATCTTTTT ACATCTGATT CTCCCAACCT GTTGTGTAAT	GGAGGGCTGG TCCCACAGCA TTTGTAATGC ACTAAAATCA	120 180 240 300
15	CGAGAACACC TAAACANCAN ATGTTAGGTG GTN	CCAAAAAICI	AIIGIGGIAI	GCACIIGAII	AACITATAAN	373
20	SEQ ID NO:7638 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08885 SEQUENCE DESCRIPTION: GATCACACCA CTGGCACTCC		ACAGAGTGAG	ACTCCGTCTC	AAA	53
25						•
30	SEQ ID NO:7639 SEQUENCE LENGTH:363 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08886 SEQUENCE DESCRIPTION:	acid				
35	GATCCGAACT GGACTCACAT TCGCGCAGTT TAGACATCTC AAACTCTAGA TATTAGTTGA TGTTCTGTGA CTCAATTGTG GTATAATGTT TTTCTCTTCT TCACGGGTTC AATCTTTGT	TGTTTTGATT ATGTTGAGGC TCGTGTTAAT TGTAGTCTCT	CTTTGTTGTT TTTAACTTTT ATCAGTACAG ATGGCGTGTC	GTTTTTATTT TCGGTGTCTT ACTGTCTCCT TTTATGGTGT	TAAAAGGCAC TCTACAACTG CTACGTGACC AATAAGGTTC	180 240 300
40	TTN					363
45	SEQ ID NO:7640 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO8887 SEQUENCE DESCRIPTION:	acid				
	GATCTGGTTC TGAGGAGGAC					
50	ATGCCAAAAG CTCTCAAGCC					

	AAGGGGTTGA AGAAGCGACC	TGCAGAAAGG	ATAACAGANG	ACCACGNGGA	AAAAGTCAAA	240
	AAGAATTAAA AAAAATTGAT	GGAACTTAAA				270
5	SEQ ID NO:7641					
	SEQUENCE LENGTH: 336					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08888					
10	SEQUENCE DESCRIPTION:	-				
	GATCTCTGAA AAGACGTTAT	CACCTTAAAG	CTCAAATTCT	TTGGGATGGT	TTTAACTTAA	60
	GTCCATTAAC AATTCAGGTT	TCTAACGAGA	CCCATCCTAA	AATTCTGTTT	CTAGATTTTA	120
	AATGTCAAGT TCCCAAGTTC					
15	CTAGCCAATA GCATTTACCT	GATGGCAGCT	AGTTATGCAA	GCTTCAGGAG	AATTTGAACA	240
	ATAACAAGAA TAGGGTAAGC	TGGGNTAGAA	AGGCCACCTC	TTCACTCTCT	ATAGANTATA	300
	GTAACCTTTA TGAAACGGGG	CCNTNTAGTT	TGGGTN			336
	SEQ ID NO:7642 '					
20	SEQUENCE LENGTH: 331					
	SEQUENCE TYPE:nucleic	acid	-			
	TOPOLOGY: linear					
	CLONE: HUNGS08889					
25	SEQUENCE DESCRIPTION:				•	
	GATCCATTTC AGATACTTGT	GGCAGCAAAC	AAAGCAGTTC	ACCTCTACAA	ACTGGGAAAA	60
	ATGAAGACAA GAACTCTATC	TACTGAAATN	ATTTTCANCC	TTTCCCCAAA	TAACAATATT	120
	TCAGAGGCTT TGAAAAAATT	TGGTATCTCA	GCAAATGACA	CTTCAATTCT	AATTGTTTAC	180
30	ATTGAAGAGG GAGAAAAACA	AATAANTCAA	GANTACCTAA	TATCTCAAGT	AGAAGGTCAT	240
00	CAGGTTTCTC TGAAAANTCT	TCCTGAAATA	ATGATTATTA	CAGANGTCAA	ANAGGTATAT	300
	AANCTCTCTT CACAGGNGGN	ANGTATCGGA	N			331
	SEQ ID NO:7643					
35	SEQUENCE LENGTH: 327					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08890					
40	SEQUENCE DESCRIPTION:					
	GATCCACTGT CCGGCAGAGG	AAAAATGCCA	GCTGTGGGAC	AAGGAGTGCA	GGCCGCACAA	60
	CCTCGGCAGG CACCGGGGGG					
	TTGGCCCTGT TCCAGTATTG					
	ACATTTGGGG CAAGTACACT					
45	GGAGGAAAAA ACCCAACATT		AAAGTATAGT	GACTATCTGT	TCATGAGAGA	
	AATTITCTGT NAGCTTGCTG	TTTTGAN				327
	SEQ ID NO:7644					
50	SEQUENCE LENGTH: 287					
	CECHENCE TVDE	:4				

	TOPOLOGY:linear	
	CLONE: HUMGS08891	
	SEQUENCE DESCRIPTION:	
5	GATCAAGATG AAGTTCAGCT AGAAGTCATA CCACCCTCAG GAATCAGCTA AGTAATTATN	
	ACTTGATTCT TTTAGCAAAT CAATGCACGT NATCCTACTT AATCCTTAAA TAAGTTTAGA 1	60
	TTTAACTAAC CCAAAGTCCA GGAGGATGTT CTTACAAAAN TAGCTATATC ANGGGCTGGC 18	20
	ACCTAGACAT TAANCTGTAA TINGANAATA AGCAACATGT TGCATAACTN GITGGAATAA 24	80
	TTCCTTCTNC TCTTTAACAC TTCTCATAAN TTCTCATAAN TTCTCTTCATAAN	
10	THEOTIGING TOTTLANCAC TEGECATAAN TTAGCAGNGT AANNNTN 28	37
	SEQ ID NO:7645	
	SEQUENCE LENGTH: 327	
	SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY: linear	
	CLONE: HUMGS08892	
	SEQUENCE DESCRIPTION:	
	GATCTACCCA ATTAGAAATG CAACTTGAGA AACCCAAACC TGTAAAACCA GTGACGTTTT 6	'n
20	CCACAGGCAT CAAAATGGGT CAACATATTT NACTGGCACC TATTCACAAG CTTGAAGAAG 12	'n
20	CTCTGTATGA ATACCAGCCA CTGCAGATAG AGACATATGG ACCACATGTN CCTGAGCTTG 18	in
	AGATGCTAGG AAGACTTGGG TATTTAANCC ATGTCAGAGC TGCCTNACCA CAGGACCTTG 24	
	CTGGAGGCTA TACTTCTNCT CTTGCTTGTC ACAGNGCACT ACAGGATGCA TTCNGTGGGC 30	
	TTTTCTGGCA GCCCAGTTAA CCATTTN 32	
25	· · · · · · · · · · · · · · · · · · ·	•
	SEQ ID NO:7646	
	SEQUENCE LENGTH: 329	
	SEQUENCE TYPE: nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS08893	
	SEQUENCE DESCRIPTION:	
	GATCTGGCTG CTCATGAAGA CAAAGTTCTG AGTGTAGACT GGACAGACAC AGGGCTACTT 60	
	CTGAGTGGAG GAGCAGACAA TAAATTGTAT TCCTACAGAT ATTCACCTAC CACTTCCCAT 120	
35	GTTGGGGCAT GAAAGTNAAC AATAATTTGA CTATAGAGAT TATTTCTGTA AATGAAATTG 180	0
	GTAGAGAACC ATGAAATTAC ATAGATGCAG ATGCAGAAAG CAGCCTTTTG AAGTTTATAT 240	0
	AATGITTICA CCCTTCATAA CAGCTAACGI ATCACTGGGG CITATITTGI ATTITATAAI 300	0
	AAGNTAGGGT TGTGTTTTNT NAAATNCGN 329	9
40	SEO ID NO. CC4C	
	SEQ ID NO:7647	
	SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
45	CLONE: HUNGSO8894	
	SEQUENCE DESCRIPTION:	
		_
	GATCTTCAAG TGAACATCTC TTGCCATCAC CTAGCTGCCT GCACCTGCCC TTCAGGGAGA 60 TGGGGGTCAT TAAAGGAAAT CTGGGACAAC AAA 93	
	1000001CM1 IMMOUMMAI CIGGGACAAC AAA 93	į
50	SEQ ID NO:7648	

	SEQUENCE LENGTH:283 SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY:linear CLONE:HUMGS08895 SEQUENCE DESCRIPTION:	
	GATCTGCATG CATTGCTTGC ATTTTNNTGG TATCTGAATG TTGGTTCCTT GTTCCAGGAA	
	TTCAACATTA NTTTCCAAAA GTATCATGGG ACTTGTGACA ATACANGTCA TGAATCTATG 12	
10	TATAAAATTT ATCGGCCTTT CTCATTTACC TGCTCTAGTA TTATTGTATT GTGTGTGCGT 18	
	GCGTGTGTGA TGTCAGGCTG CCACGTAAAA CTTCAGAGGA AAATCTTAAA NGCAGGCCAT 24 CCTTTTTNGC ATGCTCTATT CTAAGTAGGA ATGTTCAATG TAN 28	40 83
	SEQ ID NO:7649	
15	SEQUENCE LENGTH: 276	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS08896	
	SEQUENCE DESCRIPTION:	
20	GATCACCTGT AGGTCAATAG TTCGAGACCA GCCTGGCCAA CAAGGTGAAN CCCATCTNTA 6	30
•	CTAAAAATAC AAAAAATTAG CCAGGTGTGG TGGTGTGCAC CTGTAGTCCC AGCTATTTGG 12	
	GAGGCTGAGG TGGGAGAATC ACTTGAACCT GGGAGGCGGA GGTTGCAGTG AGCTGAAATC 18	
	GCGTACCACA CTCCAGCCTG GGTGACAGAG CGAGACTGTG TTTCAAAGAA AAAAANAACC 24	10
25	AGGCAGCCTT TTGCTTGGTT GGAATCTGAT TTTCTN 27	6
	SEQ ID NO:7650	
	SEQUENCE LENGTH: 182	
30	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO8897	
	SEQUENCE DESCRIPTION:	
35	GATCTAAATA TTCAGGTTTT AAGCCTGCTG CAAACTTTTA AAATATTATG ATAGNTTCTG 6 TACTACATGT GGGAAACAAG CAAGAACTAA ATAATCAAAT GTTGTCAACC AAAAGTAATA 12	0
	GTTGGGTATT GGAGATTTTT TTAAAATGTT TTTATGTTAT TNGCTATTTG GAGTTAAATA 18	
	AA 18	
	•	-
40	SEQ ID NO:7651	
	SEQUENCE LENGTH: 93	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGS08898	
45	SEQUENCE DESCRIPTION:	
		60
		3
	SEQ ID NO:7652	
50	SEQUENCE LENGTH: 275	

_	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08899 SEQUENCE DESCRIPTION:	acid				
5	GATCTAAAGT TAGTTGCCTT TTTTTTAACA AATGGAAGTA					60 120
	TACCTTAATT GTAACTGTCA					
	TGCTACTTAG TTGNTTTTAA					
10	GTATTTCTTT TGATGTTTCA	AAAGGTTGCC	TATGN			275
	SEQ ID NO:7653					
	SEQUENCE LENGTH:279 SEQUENCE TYPE:nucleic	a a i d				
15	TOPOLOGY: linear	aciu				
	CLONE: HUMGS08900					
	SEQUENCE DESCRIPTION:					
	GATCTTTAGG TGTTGAACTG	GGAATATGCT	CTGCAACACC	CAGGATTAGG	ATAGAGATGG	60
20	ATTTCATTTT ATATGGGCTA					
	AAAGGAGGTG CTCTGTTATC	TGGTCCAAGA	GCTCCTCTGG	GAATTAATCC	TGGCTGGTTC	180
	TGATGAGCTG GCAAGGNGCA	GNGGATTGCA	GTCTTTAAGT	AGAAAATTNG	AACCCCATCC	240
	ATATAACACG TGNACGTGCA	TTAAATAGCT	TGAATTGTN			279
25						
	SEQ ID NO:7654					
	SEQUENCE LENGTH: 264	.,				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUNGSO8901					
	SEQUENCE DESCRIPTION:					
	GATCAAGACC AGAAAGAAAT	TATTGATACC	AATGGAGCTG	GAGATGCATT	TNTTGGAGGT	60
	TTTCTGTCTC AACTGGTCTC					
35	GCAGCAAGCA TCATAATTAG					
	TGATGGAAGA GCTGAAAACA	CAAGCCCAGG	AGTGCAGACA	CTGCCCTAAT	TGCTTCCTGA	240
	GAATTCCCAT ATTAATAAAG	ANGN				264
	SEQ ID NO:7655	•				
40	SEQUENCE LENGTH: 61					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS08902					
45	SEQUENCE DESCRIPTION: GATCTTTTAG GAAAAAAAT		********	CACTCACTTT	CCTTTATCAA	60
	A	WWIWIIII	TACAT LAVAG	CAGICACIII	GUILLAICAA	61
	n.					01
	SEQ ID NO:7656					
50	SPOURNCE LENGTH-66					

E	SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUNGS08903 SEQUENCE DESCRIPTION:	
J	GATCTGTTTG CTTAGCTGTC AACAAAAAGA AAACCTG/	AG GAGCATTTGG AAGTCAATTT 60 66
10	SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08904	
15	5 SEQUENCE DESCRIPTION: GATCTNACTA AGCTTTCTTA GGAAGGGAAA GCATCTGC CAACAATTGT CCCTGTTCCC ACTACTTTTT AAAAATGT GGCAAGATTA TATTGAAAAA NTGAATATAA GAAAAAAA	CC TTAGTAAAAA GTGTATATGA 120
20	O ATATGCAGCA AN	
25	SEQ ID NO:7658 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08905 SEQUENCE DESCRIPTION:	
30	GATCTACATG GATGTTCTGT TCTCTGAACT GTCTGGAT	
35	SEQ ID NO:7659 SEQUENCE LENGTH:23 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08906	
40	O SEQUENCE DESCRIPTION: GATCCCAAAA GTAGCAAGAG AAA	23
45	TOPOLOGY:linear CLONE:HUMGS08908 SEQUENCE DESCRIPTION:	
50	GATCAATTGC AGAATGATAC AGATAGTACA ATGACTT TTCCTCATAA AACTCAGTAC TATCTATTGG TAATGGA	

	TTNAAACGGA TTGGAAGGAT AGAAGGGAAA ATNATGAGTG TTTTATATAA ACATCCACTT	TGGGAGGTGG	GATGGGTATT			
5	•					
10	SEQ ID NO:7661 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08909	acid				
	SEQUENCE DESCRIPTION: GATCATTTTA AAAAACTGAA CAGTATGGCA GTTAATTATA					
15	GAATNCTTTT GATTAAA	AAAINAIIII	UNIUNNIINI	datacaatci	ACATAATAAA	137
	SEQ ID NO:7662 SEQUENCE LENGTH:305					
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08910 SEQUENCE DESCRIPTION:	acid				
	GATCCTAAAA CTGTCTCTCA	CATTATATAG	TAGATGTTTG	TTTATAATGT	TTACAAAACA	60
25	TTTTGGTGAA TTTCCTCAAT	GTTTTATAAA	TGTACATTTT	TTAAGTCCTT	AAGCTGACTC	120
	TTAGCCATCA TGTAGCTTAA	GGAGTCTGAA	ATCTGCCATT	AAAACTGCAC	CTTTAAGCCA	180
	GGTGTGGTAG CATGTGCCTA					
	AATAGAGACT TTCCTTAAGA					
30	TTGTN	•••••				305
35	SEQ ID NO:7663 SEQUENCE LENGTH:103 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08912	acid				
	SEQUENCE DESCRIPTION: GATCCTAACC TTGAAGTATG		ላቸቸል <u>ላ</u> ሮ ልቸርር	CCATTATAAG		60
40	GTAGTTGTGT CTTAATGGAA				ATTAMATAT	103
45	SEQ ID NO:7664 SEQUENCE LENGTH:211 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGSO8913 SEQUENCE DESCRIPTION: GATCAAGGAA TAAAGAATCA	TTAAAGAATG				
50	ACACATTAAT INTITICCTI AGTITTGCAG GACCITAAAI					

	GGTTATTGTA GCGCATGCTT TTCAGGTAGT N	211
5	SEQ ID NO:7665 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS08914 SEQUENCE DESCRIPTION: GATCTTAAAT TTTGTGATAT GGAGCCCTGT AATNTTTTC TTATATAAAA ATGGGTATCT ATATTCATAA A	60 71
15	SEQ ID NO:7666 SEQUENCE LENGTH:344 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE:HUMGS08915 SEQUENCE DESCRIPTION: GATCCCAGCT CATGGCACAG CCGTTTGTAT CCTCGGAAGA ACGGAAGGAA CGATGGGAAC AGGGCCAGGC TGATTATATG GGAGCAGATT CCTTTGACAA CATCAAGAGG AAACTTGACA CTTACCTCCA GTAGAAACAC TGCATTTTC TGTGAACACA TCCACTTCAC AAGCCTTGTT	120
25	TCTGATACTT AGTATCTAGA GCTGGGTTGA GAAAAGTCTG TTACAGTTGC TAGAGGTTTT CATTAAANCT TATCAGGNGG GCGGCTTTTT TAGGATAAGA GGTGAGAACT GGGCAAAAGT TGTGAAGCAG CAATTCTGTT ATATGGNCAG TGTTCTGCTT TTTN	240
30	SEQ ID NO:7667 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08916	
35	SEQUENCE DESCRIPTION: GATCACGACT GCTGCACTCC AGCCTGGGTG ACAGNGCGAG ACTCCATCTA AAAAAACAAA AAGCAAAAAA ACCCACAAAT ACCTCATGGA GATGAACTGT AATAATTGCT TAAAGTTCCA TTTAATTATG TTAACTCTAA TCTAGCAAAA ACATAGATGT ACTTAAAAAT AAATCATGGA TAATGATTTT TTAACCTAAA	120
40	SEQ ID NO:7668 SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear CLONE: HUMGS08917 SEQUENCE DESCRIPTION: GATCTCATTT TCAAGTNTGA GTCTGACCAA CCATGGAAAA TATTCGACAT GAATTAATGT	60
50	AGAGAACTAT AAAGCATTTA TGACAGCTCC AAGAAAAGTC ATCTACTCTA TGCAGGAGAT ATGTTTAGAG ACCTCTCAGA AAAACTTGCC TGGTTTGAGG GTACACAGTA CCATTTTAAT CTTCTGAAAA TATCTGTATT CCTGCTCTGG GGNTGCTGTC ACTGTCAATC TGCTATATTT	180

	TTCACTATCC TATTAAAATA	TTACTGTCTC	CTTTAAA			277
5	SEQ ID NO:7669 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08919	acid				
10	SEQUENCE DESCRIPTION: GATCTTCTAC ATTTATATTT TTTTGAGCTC TTGCTACAGT AAAGAACAAG ACTGTTTTAT	CGCCTTTGCT	ACTGCTTTAA	GAGAATTTAC		
15	SEQ ID NO:7670 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08920	acid				
20	SEQUENCE DESCRIPTION: GATCCAAATC TGGTTCAAAC GTGGTTCTGT NGTTCCCTTG					60 111
25	SEQ ID NO:7671 SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08921	acid				
30	SEQUENCE DESCRIPTION: GATCTGTCAC TGTTCCCCGT CAGGGCTCCC ACTGATTCTA ATAATAATAG AAATAAAGTG	CATTTTGGTG	AGTTGTATAA			
35						
	SEQ ID NO:7672					
40	SEQUENCE LENGTH:239 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08922	acid				
45	SEQUENCE DESCRIPTION: GATCTGGAGA GGTTGTTTGT GTGTGCAGGG CGCGGATTTA CCATGTGTCC CCTACCCCCC AACACCAAGG CATTGTATTT	AAGTCCAATT AATTTCTTGT	TCTCATGACC CCCCTCTTAA	AAAAAATGTG AGAGCAGTTG	TGGTTTTTTC TCACCACCTG	180
50	SEQ ID NO:7673 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic	acid				

		TOPOLOGY: linear					
		CLONE: HUMGS08923					
		SEQUENCE DESCRIPTION:	0100100001	#W	C. MMMMAGA.		
5		GATCCTTTCA TTAATCAGAA					
		CAAAAATCAG AAACCTAAAC					
		CATATGTCAC GAAGTTCACC					
		TTTGCACTAC TATGGGAATG					
10		GACTGCAGAG CAGCTCTTTT		TATAGAAAAA	ANACCTCGTA	ATCAACTTGA	
		CTCANGATTG ACTCTACAGA	CTCGGAN				327
		000 ID NO.7074					
		SEQ ID NO:7674 SEQUENCE LENGTH:377					
			a a i d				
15		SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
		CLONE: HUMGS08924					
		SEQUENCE DESCRIPTION:					
		GATCTCCCNT AATTGGGAAT	CAANCATTTC	ACACACTACA	CTCTCCCATC	CTCCTCATCA	60
20		TGTCAAAACT AAGTTCTGAC					
		ATGGGAGGGC CATAATTCTG					
		NCTNTGGAAG CCCAGCCAGG					
		AAGGTCTAAG GTTTGGAATC					
		AGACAGTGAT TCCTGCAACT					
25	6	CTCCTTNCTT TGCTATN	IUNCCITCAU	dCldddxdxd	dindadadcc	AIGCCIGITI	377
	•	CICCIINCII IUCIAIN					311
		SEQ ID NO: 7675					
		SEQUENCE LENGTH: 350					
30		SEQUENCE TYPE:nucleic	acid				
		TOPOLOGY: linear	3014				
		CLONE: HUMGS08925					
		SEQUENCE DESCRIPTION:					
35		GATCTGCTTC CCGCAAGACT	CACAGCTGTT	GGCAGGAGAC	CTCAGTTTGT	TGCCACATGT	60
00		TCCCCTCCAG AGGGCCTCTC	ACAACATGGC	AGTTATTTGT	CCCCAGAGCA	AGCAACACCG	120
		GAGGGCAAGG AAGAAGCCAT	GATGTTTTTT	GTAACCTAGC	CTCTGAAAGT	GTCATACCAA	180
		TTCTGTATTT TGTTGGTCAC					
		GGCATGAATT CTAGGAGGTG	GGCATTTTTA	AGTGTCATCT	GGAAGGAGGC	TGTCACAACC	300
40		TGGAAGTTAA AAGCATTGAT	ATTCTGAAAT	ACAGCGTGTA	TTACCATGGN		350
				•			
		SEQ ID NO:7676					
		SEQUENCE LENGTH: 335					
45		SEQUENCE TYPE:nucleic	acid				
		TOPOLOGY:linear	•				
		CLONE: HUMGS08926					
		SEQUENCE DESCRIPTION:					
		GATCTAGAGG AGGATTTGCA	GGAAGAGCTC	GTGGAAGAGG	TGGTGGCCCC	AGTCAAAACT	60
50		GGAACCAGGG ATATAGTAAC	TATTGGAATC	AAGGCTATGG	CAACTATGGA	TATAACAGCC	120

	AAGGTTACGG TGGTTATGGA	GGATATGACT	ACACTGGTTA	CAACAACTAC	TATGGATATG	180
	GTGATTATAG CAACCAGCAG	AGTGGTTATG	GGAAGGTATC	CAGGCGAGGT	GGTCATCAAA	240
	ATAGCTACAA ACCATACTAA	NTTATTCCAT	TTGCAACTTA	TCCCCAACAG	${\tt GTGGTGAAGC}$	300
5	AGTATTTTCC AATTTGAAGA	TTCATTTGAG	GGNAN			335
	SEQ ID NO:7677					
	SEQUENCE LENGTH: 295					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08927					
	SEQUENCE DESCRIPTION:			######################################	0.01010100	
15	GATCCAAATT TGAAGCTCCA					
15	ACTAGAGTTT ATATTGAAAT					
	TCATTTTCT AACACGAGTC					
	TTTACTGTAA AAAATAAGAA					295
	TTTCAGTATA CTCAGTAACT	CCGAAGICAG	IGLIAACAGI	ACTUAUCTTA	CAIAN	290
20	SEQ ID NO:7678					
	SEQUENCE LENGTH: 136					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	dela				
25	CLONE: HUMGS08928					
	SEQUENCE DESCRIPTION:					
	GATCTTTTGT TAACTTTTAA	ATGGCCTGAG	TCCATAGAAA	CTGCATCCTG	AGAGGTTGCT	60
	CGGCTAGAAA GCGGAAAACC	GCTTCACATG	AGTGCTCTAC	TTTGTAATGA	AAATAAACAC	120
	TATTAATACA GGCAAA					136
30						
	SEQ ID NO:7679					
	SEQUENCE LENGTH: 310					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS08929					
	SEQUENCE DESCRIPTION:					
	GATCTGGGAA CGGAAGATGA				-	
40	AGGCAAACAT AATTATACCT					
	TCCATTCACC AAAACAGAGT					
	GAATCCTGGC TGTTTTCATT					
	AGTTGTGGGT TAGCTCTCGG	ATTUTGUTAG	ATAACCTGGA	ACAAAGCAII	AACTICITIG	
45	AGAGCTTCCN					310
40	SEQ ID NO:7680			•		
	SEQUENCE LENGTH: 177					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
50	CLONE: HUNGS08930					
	ODVIID. HUNGBUOJOU					

	SEQUENCE DESCRIPTION	N:				
	GATCTGCCAT GTAGGAAT	GA GACAAATACA	GTTTGCTTAT	GAAAGGAAAG	TGGCATACTT	60
	TTAAATTGGT CTACACAG	AA AAGTAAAAGT	AAACTATTCA	TTTAAATAAG	ATTCATTATC	120
5	TAATAAATAT TGAGGGAA	TA TTTTTCCTAA	ATAAAAATTT	TTCTGACTGC	TAACAAA	177
	SEQ ID NO:7681					
	SEQUENCE LENGTH:84					
10	SEQUENCE TYPE: nucle	ic acid				
,,	TOPOLOGY:linear					
	CLONE: HUMGS08931					
	SEQUENCE DESCRIPTION	1 :		•		
	GATCTAAGCT TTCTTTAAT	TAAAAAAAT AT	NATACTTCTC	TGAACTGTTT	AATAGAGCAA	60
15	TAATTAAATA CATCTTCTC	GA TAAA				84
	SEQ ID NO:7682					
	SEQUENCE LENGTH: 285					
	SEQUENCE TYPE:nuclei	c acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS08932					
	SEQUENCE DESCRIPTION	I:				
	GATCTGTTGG GAAAGATAA	G AAAGCTATTC	AGGCATCAAT	TAGACGTAAT	AAGGAAACCA	60
25	ACACCGTTTT GGCCAGATT	G AATAGCGAAT	TGCAGCAACA	ATTAAAGGAT	GTTCTTGAGG	120
	AGAGAATTTC CCTGGAAGT	T CAACTGGAAC	AACTTCGACC	ATTCTNTCAC	CTATAAGCCA	180
	ATTGCCGTTA ACTGTGAAC	A TACTTGTTTT	TAAGTGGTTT	TGGGTTCAAA	GCCAATTTGG	240
	AGACCTAGAC ATTCAGCTO	A CTGCTTAACT	CANCATTAAA	TTTTN		285
30						
	SEQ ID NO:7683					
	SEQUENCE LENGTH: 313					
	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS08933					
	SEQUENCE DESCRIPTION	_				
	GATCTCAATT CTGTTTCCT					60
	TGCTTTACCA CTGAGCTGA				_	
40	GTTTTTNTCA CTCAGCACT					
	AACAGGAATT ACATCTGGT					
	ATTTGTGGAA ATGATACCT	TA TGGAGGTTTC	TCACACTGGT	GIGICATIAI	ACATTAATIG	
	TACAATATGC ATN					313
45	SEQ ID NO:7684					
	SEQUENCE LENGTH: 110					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY:linear					
50	CLONE: HUMGS08934					
30	SEQUENCE DESCRIPTION	ī:		-		

	GATCAGTAAT GGCAAGAGCC TTGGNTTCTT TCTACAAGAN				TTCTACAAAA	60 110
5	SEQ ID NO:7685 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS08935	acid				٠
	SEQUENCE DESCRIPTION: GATCCCAAAA ACCGGGCAGC CCAGGATGCA GGGCTGGCTC TTAAAAGAGA AA					
15						
20	SEQ ID NO:7686 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS08936 SEQUENCE DESCRIPTION: GATCCCATGC CTGAAATNTG ATAAATCATT GTGTTTGACC		TACAAAAATC	ATTTTTACGT	TTTATTTTTA	60 85
25	GEO ID NO. GOOG					
	SEQ ID NO:7687					
	SEQUENCE LENGTH: 333 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	aciu				
30	CLONE: HUMGS08937					
	SEQUENCE DESCRIPTION:					
	GATCCTAGTC ATGACTATAC	ATTGTGACAT	GGTCATTACA	TATGGATTAG	ACCAACTGGA	60
	GAATTGCCAG ACTTGTGGTA	CCGATTATAT	CATCTCAGTC	TTGAATTTAC	TCACGCTGAT	120
35	TGTTGAACAG ATAAATACGA					
	ATCTAAACTA CTATTCTTGC					
	TGTTTATCAA GCAATGCTCA AATATTGGGN GANATGACTT			TTGGAGACTG	CCTATAAGTT	333
	interest diameter	010000118111	V.III			•••
40	SEQ ID NO:7688					
	SEQUENCE LENGTH: 333					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS08938 SEQUENCE DESCRIPTION:					-
	GATCTGATTC GCTCCATCAA	TGACCCGGAG	CATCCACTGA	CGCTAGAGGA	GTTGAACGTA	60
	GTAGAGCAGG TGCGGGTTCA					
	CCAACCATTC CGCACTGCAG					
50	CTGCGCTCCC TTCCTCAGCG	TTTCAAGATG	GACGTGCACA	TTACTCCGGG	GACCCATGCC	240

	TCAGAGCATG CAGTGAACAA	GCAACTTGCA	GATAAGGAGC	GGGTGGCAGC	TGCCCTGGAG	300
	AACACCCACC TCTTGGAGGT	TGTGAATCAG	NTN			333
5	SEQ ID NO:7689					
	SEQUENCE LENGTH: 110					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08939					
10	SEQUENCE DESCRIPTION:					
	GATCCATGAA CCCTTTTTAT	AAGCTGTGTG	TGTCCTCTGT	ATTATTGTTA	TTAACTATTT	60
	TTTAGNATTT GCCTGTAAGT					110
						110
15	SEQ ID NO:7690					
	SEQUENCE LENGTH: 186					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	acru	•			
	CLONE: HUMGS08940					
20 .	SEQUENCE DESCRIPTION:					
	GATCCAGCCA AACGAATTTC	TCCCLLLATC	CC 4 CT C 4 4 TC	1 TCC 1 T 1 TTT	T. I. T. C. I. T. T. C.	60
						60
	GACAATCAGA TTAAGAAGAT GATAGTTGTN TTTTNNTTGT					
25		IAACICIIGI	CIAINICICI	CITATATATA	ICCCMCINII	
25	ATCAAA					186
	SEQ ID NO:7691					
	SEQUENCE LENGTH: 231					
	SEQUENCE TYPE:nucleic	: 4				
30	TOPOLOGY: linear	acid				
	CLONE: HUNGS 08941					
	SEQUENCE DESCRIPTION:					
		4 TT	C + C + + TTCTT	TCCT1T1TC1	TTTCC+TT++	60
35	GATCATGTGA CCAATTGTGC					60
35	TTCTATATAA TTTTGGACTT					
	TTCTGTTAAC TGTTGTCTTA					
	TTTTTAAAAN NNTTGCAATT	IIGALIUTUA	IUUUUUUAAAI	l ItliAltA LAA i	N	231
	SF0 ID NO:7692					
40	SEQ ID NO:7692					
40	SEQUENCE LENGTH: 277	anid				
40	SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic	acid				
40	SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08942	acid				
45	SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08942 SEQUENCE DESCRIPTION:		የተ ተተርኔየል		TATTTCTA A	60
	SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08942 SEQUENCE DESCRIPTION: GATCACACATT TAATAACAAG	TAAAACTTTA		TTTTGCCACT		
	SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08942 SEQUENCE DESCRIPTION: GATCACAATT TAATAACAAG TTTGTAAGCA CACGTTTGAA	TAAAACTTTA GATATATTTA	TGCCATTAAT	TTTTGCCACT ATTTTAAGGC	ATGTTTTAAA	120
	SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08942 SEQUENCE DESCRIPTION: GATCACACATT TAATAACAAG	TAAAACTTTA GATATATTTA TTAAATGNNN	TGCCATTAAT CTGGTTTGAT	TTTTGCCACT ATTTTAAGGC TGCTGGAGAT	ATGTTTTAAA TTATTCCAGT	120 180

	SEQ ID NO:7693					
	SEQUENCE LENGTH: 312					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS08943					
	SEQUENCE DESCRIPTION:					
	GATCTGGGCA AAGCAAATTG	AAAACCTTCT	GGAAAGGATT	CACCATTTTA	GATGCCATTA	60
10	AAAACATTCG TGATTCATGG					
10	AGTTGATTCC CNNCCTCATT					
	GTGCAGATGT GGTGGAAATA					
	CTGANTTGCT GCAATCTCAT					
	CGCAAAGAAA TN	dittibulion	IMOMBILIA	dunutiutit	OTTRIGUNIO	312
15	CUCAIMUMM IN					312
	SEQ ID NO:7694					
	SEQUENCE LENGTH:83					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
20	CLONE: HUMGS08944					
	SEQUENCE DESCRIPTION:					
	GATCTTTACT GTTCAGAATT	TAGGAAAGTT	CTCTGGCTGT	TGCATCCAAG	TAAAATTAAA	60
	ATAAAATTGG TTGCANNTTT		0.01000101			83
25						-
	SEQ ID NO:7695					
	SEQUENCE LENGTH: 263					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	4014				
30	CLONE: HUNGS08945					
	SEQUENCE DESCRIPTION:					
	GATCCCTTCC TCTGTCTCTC	TAACTCCCCA	GCCATGAATT	TTGGCCCCAG	GGAGAGGAAT	60
	AGGCAGTATA GGAGGGATGT					120
35	AAAGGCAGTT GTCTTTGGAT					
	CAGGAGCTCT GCGGCTTCGG	TAGCAGCAGT	ATGAGGAGAG	CTGGGCCACA	TGCTTATGGG	240
	TTAGGAGAAG GTAATTTCCA					263
	•					
40	SEQ ID NO:7696					
40	SEQUENCE LENGTH: 142					
,	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08946					
45	SEQUENCE DESCRIPTION:					
	GATCATGGCT GAAAAAGCAG	CAAATGCAGC	AGGAAAAAAG	TTCCGAAAGA	AGAAGAAATT	60
	TCGCAATTAA GATTTACCAA	GCAAACTGCA	ACATTTTACA	TTGCTCCTTT	ATTTACTTAT	120
	TAAAGACGTT TGGAAAACTA					142
50						

	SEQ ID NO:7697
	SEQUENCE LENGTH: 200
	SEQUENCE TYPE: nucleic acid
5	TOPOLOGY: linear
Ü	CLONE: HUNGSO8947
	SEQUENCE DESCRIPTION:
	GATCAAGATT GAGAAGACTA GATACATAAC AACCAACTGC AATGTTTGGT CCTTCATTGA 60
	ATGGTTGAAC AAACCAGCTG TGAAAGACAT TTTGGGACAT ACAGACATGG ACTGAGAATT 120
10	AGACATAAGA AAATTATTTT GTTAACTGTT ATCATGGTTA ACAAAACGGT CATATAATNT 180
	GATTATGTAG AGAAGTTAAA 200
	UNITATURA AUAAUTIAAA 200
	SEQ ID NO:7698
	SEQUENCE LENGTH: 351
15	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGSO8948
20	SEQUENCE DESCRIPTION: GATCTGCCTG CCTCAGCCTC CCAAAGTGCT GGGNTTACAC GCGTGANCAC CACACCCAGC 60
	CTCCATCTT AAACTTTTAA ATGTGAAATT TCTATCATGT ACCGTTAGCC TAACAAGATT 120
	TINTITICATA TITATGACTG GIGCATTICA CATTITIAGG AGCAACGAAA GCTACTCTCI 180
	TAGTTATGTT CTTGTGATGT GACAAAATGT CAAGAAGATA GGAGAAGAGA ATATTTTATT 240
25	TCGTTGATGC TTTTGTTCCC AAGTGTGACC CTAAACTTAA GCTTTGTAGG AGTTGACATT 300
	CTTTCATGTC CCTTCCCTTT ACTCATGCCG AAACTATCAA CTGGGNCATG N 351
	SEQ ID NO:7699
	•
30	SEQUENCE LENGTH: 350
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGSO8949
	SEQUENCE DESCRIPTION:
35	GATCTGTTTC TGGGGCCTCT GGCGGTGGCG GCCTGGGGCG GCGCGACGGC TGGTGCGCAG 60
	GTACANTGAT GCTGAAGTAC TATGAGCCTT CGGAACTTGT GGAGAGACTA CAANGTTTTG 120
	GNNNNTATGG TCCCTTTAGT TGGGCTCATA CATTTGGGGT GGTACAGAAT CAAAAGCAGC 180
	CCTGTTTTCC AAATACCTAA AAACGACGAC ATTCCTGAGC AAGATAGTCT GGGACTTTCA 240
40	AATCTTCAGA AGAGCCAAAT CCAGGGGAAG TAGCAGGCTT GCAATCTTCA GGTAAAGAAG 300
40	CAGCTTTGAA TCTGAGCTTC ATATCGAAAG AAGAGATTGA AAAATACCNN 350
	GRO. ID NO. GEO.
	SEQ ID NO:7700
	SEQUENCE LENGTH: 351
45	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGSO8950
	SEQUENCE DESCRIPTION:
50	GATCCCGCCA GAAATGAATA GACACCGCAA GAAACAAAGC TCGAGTGAAA GCTTGTTACA 60
	TAATGATTGG ACTCACAATT ATCGCCTGCT TTGCTGTGAT AGTGTCAGCC AAAAGGGCTG 120

	TAGAACGACA TGAATCCTTA ACAAGTTGGN NCTTGGCAAA GAAAGCTAAG NGGCGTGAAG 180
	AAGCTGCATT GGCTGCACAG GCTAAAGCTA AATGNTATTC TAAGTGACAA AGTGTTCACC 240
•	TGAATACCAT CCCTGTCATC AGCAACAGTN GAAGATGGGA AAAATNGAAT ATTTACCAAA 300
5	ATNTCTGCCA TGGTTTTATT TTGGTAACCN GATGCACAAT GTCTTTTTTT N 351
	SEQ ID NO:7701
	SEQUENCE LENGTH: 85
10	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
•	CLONE: HUMGS08951
	SEQUENCE DESCRIPTION:
	GATCATATGT GAAGATGTCA ATTAAGCTTG CATTAAGCCA CCTGCTTTGT AAGTGGATTG 60
15	ATTAATAAAT AACTTATATT TCAAA 85
	SEQ ID NO:7702
	SEQUENCE LENGTH:89
20	SEQUENCE TYPE:nucleic acid
20	TOPOLOGY: linear
	CLONE: HUMGS08952
	SEQUENCE DESCRIPTION:
	GATCCCAGGG GCTTATCTCT TCAAGTGTGG AGAGGGCAGG GTCCACGCCT CTGCTGTAGC 60
25	TTATGAAATN AACTAATTGA AAATTCAAA 89
	SEQ ID NO:7703
	SEQUENCE LENGTH: 375
30	SEQUENCE TYPE: nucleic acid
30	TOPOLOGY: linear
	CLONE: HUMGS08953
	SEQUENCE DESCRIPTION:
	GATCCAGTGG CAATTGTAAA ACTAGCTATT TATGGCATGC TGCCAAAAAA CCTTCACAGA 60
35	AGAACATTIN ATGGAAAGGI TGCATCITII TCCAGATGAG TATATICCNN CNGATATICI 120
	TAAGAATTTA GTAGAGGAGC TTCCTCAACC ACGAAAAATA CCTAAACGTC TAGATGAGTA 180
	CACACANGAA GAANTAGACG CCTTCCCAAG ATTTGTGGAC TCCACCTGGA AGATTATCGG 240
	CTATAAGAGA ATAAGATTTG CAGATAATTA ACAGTTGANG TGATTGAGAC TTTCTNCTTG 300
40	ATGAGTTTCT CTAACCTNCA GGGTGGTGTT AACCAACTGC TACAGTTCAG CACCTGTTTT 360
	TNTTGTGCCG NTTTN 375
	SEQ ID NO:7704
	SEQUENCE LENGTH: 276
45	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS08954
	SEQUENCE DESCRIPTION:
50	GATCACATCC TACTTCCTCA ATGAAGGGTC CCAAGCCCGT CCCCGTTCTT CCCACCGATA 60
50	TTTCCTNGAA CGCGGCCTGG AGTCAGCAAC CAGCCTCTAG CAGCTGCCTC TACGCGCTCT 120

5	ACCTGCTTCC CCAACCCAGA CATTAAAATT GTTTA CTTTTGGGAC AGAAGCAAGG TGGGAGTGTG CTCTG GGAACCTTTA AATAGAATGG GTGTTGGTTG ATTAA	CAGCC GNGTCCAGCT ACTTCCTTTT 240
10	SEQ ID NO:7705 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08955 SEQUENCE DESCRIPTION:	
15	GATCCACTGC CATTCTAATT GCTTTAACAA GTCAT TATGCATACA GACAGGTAGA CTTGTTTTAC ATATG TGCAGATTGT ATTCTGCAAG TAAAGTCTTT TTCTC AAGTGAAATT CATATTAAAA CTGAAGATTT TNGTT	TGAAC TAACTAGTTG TCAAAGCAAA 120 TCTGA AATTTCTAGG GATGTTCTTT 180
20	SEQ ID NO:7706 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08956	
25	SEQUENCE DESCRIPTION: GATCCAAAGT AACTNAAACA GGAGCCCACA AGACG GCTCCACCAA AACCTGAACC CAAACCAAGA AAAAC AAGATTAGCA GAGGTGCTAA AGGGAAGAAG GAGGA ACTGCACCAT CTGNAAATGG TGAAACTAAA GCTGA	ATCTG CTAAGAAAGA ACCTGGAGCA 120 AAAGC AGGAAGCTGG AAAGGAAGGT 180 AGAGG CACAGAAAAC TTGNTTCTNG 240
30	TNGATTAACG AN	252
35	SEQ ID NO:7707 SEQUENCE LENGTH:166 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08957	
40	SEQUENCE DESCRIPTION: GATCTCCTGA CCTCAGGTGA TTCACCCACC TCAGG TTGAGCTACC GCGCCCAGCC AACACATCAC TTTTA TCTGTGACTN TTAAAATTGT GCTNACATAT GTGTT	TCTTG CAGCTCCCGA GATTCTCTTT 120
4 5	SEQ ID NO:7708 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08958	
50	SEQUENCE DESCRIPTION: GATCAAAATA TTCTGGAAAA AAATAATAAA AAATA	AATTTG TATACATTGA AA 52

5	SEQ ID NO:7709 SEQUENCE LENGTH:318 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08959	acid				
10	SEQUENCE DESCRIPTION: GATCATACTN GTGATTATAA GAAAGCAGTC TGTTCTGAAC ATGTTTCTCC CATTTAGAAT TATCAGCTCT TTCTCTNTGT CTNTTGAAAG TGTCGTATCT NTTGCTGCTG TGTCTTTN	ATAGGGACAT ATCTAGCATN ATTTCATCTC	AAGTTCATTC TAAGGCCTTT TTTCTACTCT	ATGCCAAGTA CAATATTAAT CCNATTTGTA	TCTTTCCAGC ATAAGCCCAA TTTGGTGTTC	120 180 240
15	ID NO 5544					
20	SEQ ID NO:7710 SEQUENCE LENGTH:243 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08960 SEQUENCE DESCRIPTION:	acid				
25	GATCCAAGAA ATTACTGAAA AGCACACATA CAGTTAATTT TCAGACTAAT TTGATGTTCT ATTAATGTCC TTCACAAAAT AAA	GATAAAGAAG TTAATGTTCC	AGTATGCCTC CTTATTTTTG	TCAGCATTGT AAACACGTTT	GAGATATATT TAAATGTGAA	120 180
30	SEQ ID NO:7711 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS08961 SEQUENCE DESCRIPTION: GATCTTGGCT TCTGAGGGCT TTTCAGAGAC ATTCTGAGAG AA					60 120 122
40	SEQ ID NO:7712 SEQUENCE LENGTH:240 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
4 5	CLONE:HUMGS08962 SEQUENCE DESCRIPTION: GATCCTTTAT TAAGCTTCTG TGGGGAAATA GGAAGATGGA					
50	GTGATAATTG AGTTACGTAG TTTTTTAAGT TTTGAAAAGN					

5	SEQ ID NO:7713 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08963 SEQUENCE DESCRIPTION:				
. 10	GATCTGTGTC CAAAAGTGAA CTTNAGTC. AAAANTTTAG TCTGCTGGCT GACTGGAA				60 110
15	SEQ ID NO:7714 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08964				
20	SEQUENCE DESCRIPTION: GATCTCAAAA CAATTGTTGC AGCAGGCTG GTACTGGTTT CCTATTGTGA TTTTATCA				60 111
25	SEQ ID NO:7715 SEQUENCE LENGTH:309 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS08965				
30	SEQUENCE DESCRIPTION: GATCCTATAG GCAGAGAGTT TTCCTTTC' TGTTTTCTGT ACCAGTCACT GGGGAAAG, TGCTTGTCTA TTTAGCATTC CTTTTTGG TAATGCTGTG TGCTTATTTT GAATTCCTO AGATGCTTAT CAGACTTGAA ATTATACTO ACCAGGCTN	AA GTGAGTTTAT GT CTCAAGATTT CA TCAGGTTTTA	CTCGTTTGTT ATGGAACAAT GAAGCGGGGT	TTAAAAGTTT AAATGTCATT AAAAATACTT	120 180 240
35	SEQ ID NO:7716 SEQUENCE LENGTH:204 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear				
40	CLONE:HUNGS08966 SEQUENCE DESCRIPTION: GATCCATGAA GCCAGAGCCT GGCTCTGGGCCAGGGCGTC CAGCTGAGCC TGCCATTC	CA GCCTGTTCGG	GGGAAACAGC	TCCCAATCCT	120
70	AGACTGTGCT GCTCCGGGAG GGCTGCTG GTCATGAAAA ATGCTTCCGT GAAA SEQ ID NO:7717	JI GGATATTIGG	GUIGITITCA	CCATATAGCT	204
50	SEQUENCE LENGTH: 121				

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08967 SEQUENCE DESCRIPTION: GATCTCAGGA ATACAGTCCC TTACACCATC CTCTCCCATA A	ATGCAAAGAT				60 120 121
15	SEQ ID NO:7718 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08968	acid				
20	SEQUENCE DESCRIPTION: GATCACCTGA GGTCGGGACT TAATCCCAGC TATTINGGAA TTGCAGAGAG CCGAGGTAGT CTCAAA	ACTNAGAACA	AGAGACTTGC	TTGACCCTGG	GAGGTGAAGG	
25	SEQ ID NO:7719 SEQUENCE LENGTH:351 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08969	acid				
30	SEQUENCE DESCRIPTION: GATCAGCTCT CTGTTTTGGA GATGACTTGG TGTCAACTGG GAAGCTGATG GGCTTCTTTC ATTCCTCAGG TTACCTCTGA CATTCTNTCG ATGTAAAGAA	AAAGCTGAAC TCAAGGTTAT TGGAAAAAGA	TTATCTCAAG TCTGATTTTA CTTCAGGTGA	TTAGATTCCT TAAATAGGAT TTGTTTGCTC	GGTCCTGGAT GCACAATCAG TGCCACTTTG	180 240
35	TTAAAAGGAG AAGGCTCTGT SEQ ID NO:7720					351
40	SEQUENCE LENGTH: 142 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS08970 SEQUENCE DESCRIPTION:	acid			r	
45	GATCCCAAAG AAGTAACGGG ATTACATGTT GAAATANTAT AATNTCACCT GTTTCTTTTA	TTTGTATNTA				
	SEQ ID NO:7721 SEQUENCE LENGTH:130					
50	STOURNER TYPE : nuclaic	acid				

5 GA1	POLOGY:linear DNE:HUMGS08971 QUENCE DESCRIPTION: FCTTGTGA ATCAAATTCA AAGAGTGT GGATTTAAGA GTGTAACN					
10 SEG SEG TOP	Q ID NO:7722 QUENCE LENGTH:180 QUENCE TYPE:nucleic POLOGY:linear ONE:HUMGS08972	acid				
75 SEG GAT CAG	QUENCE DESCRIPTION: CCGTTAAT TAATATCTTT GTTCCTGG GTGTTTCCGG CCTTCCTC CGGGGCCACA	TTCTGCTTCA	GTGTACTATC	ACTTTGCCTT	GCCTCAGTCT	120
SEG SEG TOP	Q ID NO:7723 QUENCE LENGTH:266 QUENCE TYPE:nucleic POLOGY:linear ONE:HUMGSO8973	acid				
SEQ GAT	QUENCE DESCRIPTION: CCACTGTC CCGNTTCAAA CTTCACCT AACTGTTNAG					60 120
30 ATT	TATAGTTG TGTACTTTAT TTGCCTTC TTCTGCCACC TTAAAAAA AANTTANCAT	TAAATATTAC				
35 SEG SEG TOP CLC	Q ID NO:7724 QUENCE LENGTH:33 QUENCE TYPE:nucleic POLOGY:linear DNE:HUMGSO8974	acid				
	QUENCE DESCRIPTION: CCAAAGGT ACCATGACCA	AATAAGAAAC	AAA			33
SEQ 45 SEQ TOP CLC	Q ID NO:7725 QUENCE LENGTH:219 QUENCE TYPE:nucleic POLOGY:linear DNE:HUMGSO8975 QUENCE DESCRIPTION:	acid				
••	CTTCTTT TTTNTTCTGG					

	TGATGTGGCC AATAATAGTG ACTTTTAAAA TGCTTAGAAC			TTAGAATTAA	ACAAGTTAAT	180 219
5	SEQ ID NO:7726					
	SEQUENCE LENGTH:275 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS08976 SEQUENCE DESCRIPTION:					
	GATCTGTCTG GNAACAGTTT					60
	GACCATAGAT AAACTGCAGG					
15	AGCCAAGTAT CTTTATACAG AGGAAGTGTT CATGGNAATA					
	GTCTTCTGGA TGTCTAAAAG			UUINUCATOA	CAUTHUATTO	275
	SEQ ID NO:7727					
20	SEQUENCE LENGTH: 37	• 1				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS08977					
	SEQUENCE DESCRIPTION:					
25	GATCCCAGGT TCTCATGAAC	CAAATAAGTA	ACTTAAA			37
	SEQ ID NO:7728					
	SEQUENCE LENGTH: 97				•	
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08978					
	SEQUENCE DESCRIPTION:	00 L C L CTC CT	CCC+TT+C+C	CCATCACCCA	CTCCCCCCC	60
35 .	GATCTGCCCA CCTNGGCCTC NCTGTACTAA GTCTTTTTT			GCATGAGCCA	CIGCGCCGG	97
			••••			
	SEQ ID NO:7729					
	SEQUENCE LENGTH: 284					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS08979 SEQUENCE DESCRIPTION:					
	GATCTATGAA CTTCTGCCCC	ACATAACTTT	TAAAGCAGTA	TTTTATAAAC	CCCATGAAGA	60
45	GCTTGCTTTT TTGTCTTTGT					
	GAAACTAATA TGCTTTTTAT					
	CCTACATTGG GAAAGTAAGG					
	ACTGTCTTTC GTAAGCACTT	GCTGAACNGC	TGACTTAACT	CAGN		284
50						
	SEQ ID NO:7730					

	SEQUENCE LENGTH: 374					
	SEQUENCE TYPE:nucleio	acid:				
_	TOPOLOGY:linear					
5	CLONE: HUMGS08980					
	SEQUENCE DESCRIPTION:					
	GATCTCGCAA TGGGGAAGGC					
	CCCACGGAGG ACTACAAGGT	ATACGGCTAC	GTCACCAACT	CCAAGGTGAA	GTTTGTCATG	120
10	GTGGTAGATT CCTCCAACAC	AGCCCTTCGA	GACAACGAAA	TTCGCAGCAT	NTTCCGGAAG	180
	CTACACAACT CCTACACAGA	CGTGATGTGC	AACCCCTTCT	ACAACCCGGG	GGACCGTATC	240
	CAGTCCAGGG CCTTTGATAA	CATGGTGACG	TCGATGATTG	ATACAGGTTG	TGCTGAGTGA	300
	GCTGTGCTGC CAGCCATCGN	AGAGGAGCCC	NTNGCACGAC	TTGTGGTGGG	GTCCGTCGGT	360
	CTTGTTTCTN TTTN					374
15						
	SEQ ID NO:7731					
	SEQUENCE LENGTH: 164					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS08981					
	SEQUENCE DESCRIPTION:					
	GATCCGGTTG GACTCTGACA	TCGGATGCCC	TCAAACATAC	AGAACTTCCA	AACTCAAGTC	60
	CAGCCATAAG CTATTTTGCC	AACATGTCAG	AGTAATCTGT	ATTTTTGTAT	GTGATTTCTA	120
25	CTTTTATAGA CTTGTTTTAA	AACAATAAAA	CACATTTTTA	TAAA		164
	SEQ ID NO:7732					
	SEQUENCE LENGTH: 287					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS08982					
	SEQUENCE DESCRIPTION:					
	GATCTTTCAT GAAAATTAAT					
35	CAATCATTTC TGTTACCACT					
	GTGTTTTGAG TATATCTGAN					
	TAANCCTTAA TATTTATGCA				AAATTATCCA	240
	GTGTTTTAGA TAAATGGTTA	TTTAATTGCN	NAANGTGATT	CTCTAAA		287
40						
	SEQ ID NO:7733					
	SEQUENCE LENGTH: 173					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS08983					
	SEQUENCE DESCRIPTION:					
	GATCTGTGCC GTTCAATAGG					60
	TGTAGTCACA GGGAGGAAAA					120
50	GTGTAGATTT ATAGTTTTTG	GTAGTGGCAG	GAATAAAAA	AATCCATCCT	AAA	173

5	SEQ ID NO:7734 SEQUENCE LENGTH:198 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08984	acid				
10	SEQUENCE DESCRIPTION: GATCTCTATT TTGTGCCCAG ATTGGAGTGA TTTGAGTAAT ACCTTATTTC ATAAGTTAAT TTTATATTAG TCATTAAA	CTATCTATAG	TGTAATATTT	TCTATGAATA	ATTTTCTGTA	
15	SEQ ID NO:7735 SEQUENCE LENGTH:94 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08985	acid				
20	SEQUENCE DESCRIPTION: GATCTAGAGA CTCATTCAAT CCAGTAGATT AAATCATATA			ACTTACATTA	AGTAAAACTG	60 94
25	SEQ ID NO:7736 SEQUENCE LENGTH:363 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08986	acid				
30	SEQUENCE DESCRIPTION: GATCACCTGN ACTCCAGCTC AAAACAGTGT GGATGATGAT	ATGCTNTTNT	GAGCAAGCAA	AAGCAGAAAC	GTGAAGCCGT	
35	GATACAAATT GGTGAACAAA TAATATATAC TCTATGTAGT TCTATGCTTG TGGAACTTTT CATAGATGCA GANGTGGTTC NAN	TTNNTAAGCA CCAAATGTGT	CTGTACGTAG GTGTCTGCAT	AAGGCCTTAG GTNTGTTTGT	GTGTTGCATG ACATAGAAGT	240 300
40	SEQ ID NO:7737 SEQUENCE LENGTH:262 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS08987 SEQUENCE DESCRIPTION: GATCTTCTTT GATGATGAGA CATTCACATC CAGAATGGAA AAAGGCCCAA ACTGGGCCTT	TGAATCTTCA	AACTCTAAGT	CAAGGGTTAG	AGACATTTGC	120
50	TGAAAGGAAA TCAAGAAGGC TGTGACAGAA AAAAAAAGTA	ATTTTCAGGT				

5	SEQ ID NO:7738 SEQUENCE LENGTH:361 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS08988 SEQUENCE DESCRIPTION: GATCTGTGCC ACATGGAGGT					
10	GTGTTGACAA TATCANAGAT AGCTGGAAGA TTGGTTAAGG	CAAAGCACCC	CCCATGGCAG	AGACACTGCA	CATGATTGTN	180
	CATACAGCAG AATGCATGTT CCATAAGATA TCATAGNAAA	NNTATAAGTG	GTTGTNCTTT	TCTTAGAAAG	TTGAGGGTAT	300
15	TTCACGTAAG GATGAGCTCC	CGCAAGNNGA	GGTACTTNTT	AGCANGGGGA	CTCTCAATCG	360 361
	SEQ ID NO:7739					
	SEQUENCE LENGTH: 143 SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGS08989					
	SEQUENCE DESCRIPTION:		om		TT T	60
25	GATCTTGATG TGGGTGATAG GTACATTTAA ATTGTTGCAT					
20	ATTATTAAAG AGAATATAGO		110001111111			143
	SEQ ID NO:7740					
30	SEQUENCE LENGTH: 333 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGSO8990					
	SEQUENCE DESCRIPTION:					
35	GATCATAGAG TTTGGCTGGG					
	GAATGATATC TCTTACTCCCTTAGATTGTAT CTCTTGCCTT					
	ATGAAAATNA TGTTCATGCT					
40	CTCATAGCTA TGTCTTTCAC					300
40	ATCCCATCCA AAGTATGTT1	TCTCTCAGAA	GAN			333
	SEQ ID NO:7741 SEQUENCE LENGTH:135					
45	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS08991					
	SEQUENCE DESCRIPTION:		*******	CCACCTGACA	CTATCCTCAC	en
	TATEL TO SECOND	AILTINIAAIA	. AAAIHI.AIHI	・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	ULALLUIGAN	υv

	TGGACAGAAT GTATATAGTG TTGGATTTGT ACAAA	CAAATATCCT	TCCTTTTATT	ATTTAACAGC	CATTAAAATC	120 135
5	SEQ ID NO:7742 SEQUENCE LENGTH:333 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear CLONE: HUMGS 08992 SEQUENCE DESCRIPTION:	4074				
	GATCCCAGTT CACAATTATT GNTGAACAAA TTTCTTGTCC					
15	TATTGCTCAC TGGTGCTGGG GTAAAAGAGT AGCGNNNNCT	TTAAATGAAT	TTGGGGAAGG	AAGTGCGCTG	GAGAAATCCT	240
	TAGCTGTCAG CCAAGGTGGA TCTGCTGTTC AGTGAAGTGA			GGAACTTAGA	AACGGTTGCC	333
20	SEQ ID NO:7743 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear CLONE: HUMGS08993					
25	SEQUENCE DESCRIPTION: GATCCCAACT GTATAACATT GTTTTGGATG AAGGGAGGGA					
	TATTATTATG ATACTTTATG ACAACATGAA GAATGAATGC	GATATAGAAT	ATTATGCATT			
	SEQ ID NO:7744 SEQUENCE LENGTH:59					
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08994	acid				
	SEQUENCE DESCRIPTION: GATCTTGGGC CACACATGAA	AATACACTAA	CACTAATGAC	AGCTGATGAG	ATGCTTAAA	59
40	SEQ ID NO:7745 SEQUENCE LENGTH:353	.,				
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08995	acid				
	SEQUENCE DESCRIPTION: GATCAGAGTG ATGCTGGAAC GTCATATACT ACTTGGTATG	TCAGTGTGCA				
50	TTNGCCATAG TAAGTGAGAA	ATTGTCCTTA	ATCATGCCTG	TTTGATGGTA	CTAGGAAAGA	180

	CCTTTTNCCT CTTACTTGAA CTCTACTCTG GTGNGAGCTC					300 353
5	SEQ ID NO:7746 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS08996	acid				
70	SEQUENCE DESCRIPTION: GATCAGGTGA TTGCCTTTCT	ር ኒኖሮ ተ ሮፕሮ ኒኖ	· ምምርጥርጥ አለውጥ	TOACCOTTCC	TACCTTCTAC	60
	GAACTGAAAT TGCAATTAAA					
	GTCCATTCTT CCAAAACTTG	ATGTTACCAC	ACTTACAAGT	${\tt TTAAAATATG}$	AAGTCGACTG	180
15	TTTAAAGGAT TCTGCATATA					
	TACCCAACAT TTTTTATAAC		AATTTATTGC	CAGAATAAAT	TGCATTGCAT	
	GCTAAATTAA NGTCAGATAN	TTCNAAA				327
	SEQ ID NO:7747					
20	SEQUENCE LENGTH: 153					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE:HUMGS08997 SEQUENCE DESCRIPTION:					
25	GATCATGTAA ACTTGCTGTT	TTNGTTTTTN	CCTGCCGGGT	GTTGTATGTG	TGGTGACTTG	60
	CGGATTTATG TTTCAGTGTA					
	AAAAGCCTTG ATTAAAGAGG					153
30	NA 65/A					
	SEQ ID NO:7748 SEQUENCE LENGTH:41					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
35	CLONE: HUMGS08998					
	SEQUENCE DESCRIPTION:					
	GATCTTAATT TTGTTTTTGG	TTTAAAATAG	TGTTTCCTTT	N		41
	SEQ ID NO:7749					
40	SEQUENCE LENGTH: 299					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS08999					
45	SEQUENCE DESCRIPTION: GATCTATCTA AATGCCGATT	TCACTTCCCC	ACACTATGTA	CTCCCTTTTT	AATTCTTGTA	60
	TTNANACTAT TTAATCCTTT					
	GATGATAGCA TATGTGTTCA					
	ANCATCTTTG TNCATTTAAG					
50	TTNATATAAC ATGACAGGCA	CTAGGACGTC	TGCCTTTTTN	NGGCAGTNCC	GTTAAGGGN	299

5	SEQ ID NO:7750 SEQUENCE LENGTH:169 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09000	
10	SEQUENCE DESCRIPTION: GATCAATTAG ACATTTTGAA AATAATTTAA AGTGTTTTCC TTAATGTTCT CTGAAAACAA GTTTCTTTTG TAGTTTTAAC CAAAAAAGTG CCCTTTTTGT CACTGGATTC TCCTAGCATT 1: CATGATTTTT TTTTCATACA ATGAATTAAA ATTGCTAAAA TCATGGAAA	
15	SEQ ID NO:7751 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO9001 SEQUENCE DESCRIPTION:	
20	GATCATTTAA TGAATCCTCA AGGACTAATG AAATAAATGC TAGACTGCTG AAA	53
25	SEQ ID NO:7752 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09002 SEQUENCE DESCRIPTION: GATCCTGAAA ATAAAACTAA CACTCCAGTA TTTTGTCATT GTTTTTCGCA ATTGAGCTAT CTGAAAACTG TTATTCCTAA GTAATGTTCA AAAATGATAA GTAATCTGGA TACCTTTTTC 12	
30	TTATACTTTC TCCTAGGAAA ACTTTAAAAC TTTAAAAAGG CAAACCTACC AATAGGAATA 18 ACANATTAAA TGTCAAGAGA GTATATCCAA TATTAGGATA TAANTGTATG TGTCTCAAGT 24	30
35	SEQ ID NO:7753 SEQUENCE LENGTH:237 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09003	
40	SEQUENCE DESCRIPTION:	
45	GAAAGACTAA AGAAATTTTC CTAAAGGACC CCATCATTTA AAAANTGGNC CNGGNNN 23	
	SEQ ID NO:7754 SEQUENCE LENGTH:264 SEQUENCE TYPE:nucleic acid	

	TODOLOGY 1:					
	TOPOLOGY: linear					
	CLONE: HUNGS09004					
•	SEQUENCE DESCRIPTION:	11C1C1TC11	TTT00 + + 0 + +	0110110077		
5	GATCTTCCCA AACCCAGAGA			-		60
	AGGCAGATTT AACCCAGAGG					
	CAAGAATAAG GAAATAATCC					
	AGTTCCACTA TATCTGGCAG		ATTGGAAACC	TTATAGGCCA	GGNGNGAGTG	
10	GCATGACACA TTTAANGTAC	TGGN				264
	470 ID 110 4444					
	SEQ ID NO:7755					
	SEQUENCE LENGTH: 286					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS09005					
	SEQUENCE DESCRIPTION:					
	GATCCAGAGC TGTTGCCTGT					60
20	GCCCAGCTTG CTTCTCGACT					
	TGCCGGAGTC TGAGGCACCA					
	TGTGCAGAGT GCCGTGTGCT	TGTGGTGCGC	CATCTGAAGC	AAGAGTCCAG	CGTTCTGCCG	240
	TGTCTGTCCC CCACCATGCC	CCCTACAGGC	GGTACTGATG	GCGCTN		286
	and in the gard					
25	SEQ ID NO:7756					
	SEQUENCE LENGTH: 382				•	
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS09006					
	SEQUENCE DESCRIPTION:					
	GATCCTTTTT CCTTCAGCAG					60
	AGCTGTCACC ATTCTCACGT					
	TATTTAGACT ATTTTACTGA					
35	GTTACAGATG TTTTACCTTA					
	GTACCGTAAA TGTTGTGTTT					
	ATATNGCACA ACAGTCCTCA		ATGTATGGAA	CCTNTTCCTT	NCATCCAGGC	
	AGCATTTTTN TTNCNCTCTN	CN				382
40	CEO ID NO.7757					
	SEQ ID NO:7757 SEQUENCE LENGTH:298					
	SEQUENCE TYPE:nucleic	acıd				
_	TOPOLOGY: linear					
45	CLONE: HUMGS09007					
	SEQUENCE DESCRIPTION:	AMMENTO 0.000	AATAAA	mono	0010010110	
	GATCATCTTT GAGTAGCACT					
	TGATACCTAC CTGTATCTCT					
50	CTTCAGCAAG AATGTGTCAC					
	TGCTGCTCAA AAATAATCGT	TACAAAGCTT	AGGTTTAAGC	TGTATATGAA	ATATTTATGC	240

	GACTETCAAA CTTTAAAGGA	GTTGCTCCTT	TGTTCCAAAA	TTAAATGTGT	TAGATAAA	298
5	SEQ ID NO:7758 SEQUENCE LENGTH:292 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09008	acid				
10	SEQUENCE DESCRIPTION: GATCATGGTC TTCAAAGATG TTCAGAACGT GTTATTCCTC ATCCTGCTGA CCCATTTTN AATATACTTT TNATTGAGCA	CCAGAACGAC TGCCCTCTTC CTTTGCTGCT	AACGCCATAT TTACCCCAAT GAAATGCTGC	TTCCTTTGAG TTTNTTGTAT CTCTTGCCTT	GCCTTCGCCC TACCCTCTAC TTTTTTTTNA	120 180 240
15	AATTTTAAAT TATCTAAATT	TATGGTTTGT	GGTGGTGTCT	ATNGCAAAGT	TN	292
20	SEQ ID NO:7759 SEQUENCE LENGTH:307 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09009 SEQUENCE DESCRIPTION:	acid				
	GATCTGTTAA TGAAAAGTGC					
30	GCATATTGCT AAGAGAGCAA CATTCCTCCC ACCCCAAGCA TTAACACTGT AATATCTTTA TGCTTCATTT CCTCTGAGCT TTGATAN	AATCCCAACA AATGATGTAC	TTTCTCTTCA AGGCAGATGA	GTGTGTTGAC AACCAGGTCA	TTCTATCCTG CTGGGGAGTC	180 240
	SEQ ID NO:7760					
35	SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09010 SEQUENCE DESCRIPTION:	acid				
	GATCTCTGAA CATGAAAACC					
40	ATAACCAGAA TTGGCTTACA TTCTATGGCT CAAAAATAAA				AAGATACTAT	165
45	SEQ ID NO:7761 SEQUENCE LENGTH:334 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09011 SEQUENCE DESCRIPTION:	acid				
50	GATCGATGAC GCAGGTCCTT					60
	TGGGGATTTA GAAGGCAGGG	TAUCCAGAAA	GAAGCACAAA	TTACCCCCAC	CATAAGCTTC	120

	ACAGAATTGC TGACGCTAAC	GGCCATGGGT	GAGATTTTTG	CAATAAGTGT	CAGCCTGATG	180
	ACAGATACCA CAGACAGTTG	CAAAAATGTC	CAAGTTTCTC	CTGAAGTTTT	CTGGCAGGGC	240
	AGTGGGCTCC ATCCTTAGGA	GTGAATCAGC	TTTGGTGAGT	ATCGTGATTG	AACAGAGCCT	300
5 .	TAACACCAGG GCCCCCTTAA	CTCCGCACTC	CTTN			334
	SEQ ID NO:7762					
	SEQUENCE LENGTH: 247					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS09012					
	SEQUENCE DESCRIPTION:					
	GATCGCTTTG ATTTTAAAGT					
15	GACCAATATC TCTTTGTTTT					
	CCCATCTGTC ATTATGTTAC					
	NGACTITCTT AGATTCACTT	CCATATGTGA	ATGTAAGCNC	TTAACTATGT	CTCTTTGTAA	
	TGTGTAN					247
20	SEQ ID NO:7763					
	SEQUENCE LENGTH: 312					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	B014				
25	CLONE: HUMGS09013					
	SEQUENCE DESCRIPTION:					
	GATCCTTCCT GAGCGTTTCC	TGGCAGTTTT	AAAACGAAAA	ATCAGTGTTA	AGTTTGATGC	60
	AGTTATTGGA TATAAAATGA					120
	AGGTTTAGGT TGATGTCATC	TAATAGTGCC	AGAATTTTAA	TGTTTGANCT	TCTGTTTTTT	180
30	CTAATTATCC CCATTTCTTC	AATATCATTT	TTGAGGCTTT	GGCAGTCTTC	ATTTACTACC	240
	ACTTGTTCTT TAGCCAAAAG	CTGATTACAT	ATGATATAAA	CAGAGAAATA	CCTTTAGAGG	300
	TGACTTTAAG GN					312
	CEO ID NO.77CA					
35	SEQ ID NO:7764 SEQUENCE LENGTH:93	•				
	SEQUENCE TYPE:nucleic	ani d				
	TOPOLOGY: linear	acid				
	CLONE: HUMGS09014					
40	SEQUENCE DESCRIPTION:					
	GATCTGCCTG TCCGGGCTGG	GACAGAGACT	CCCCAAGNAC	CCCATTCTGC	CTCCTTCTGG	60
	GGAAATAAAT AAGTGTCTGT			CCCATTCTGC	CICCIICIGG	93
						70
45	SEQ ID NO:7765					
	SEQUENCE LENGTH: 133					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUMGS09015					
50	SEQUENCE DESCRIPTION:					

5	GATCTGGCTA AGCATCTTCC ATTACCTTTT TTTTTTTAAA TATGNGNGGA ATN					
	SEQ ID NO:7766 SEQUENCE LENGTH:300 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear CLONE: HUMGS09016 SEQUENCE DESCRIPTION:	ር ልርጥጥል ጥጥጥ	1 1 CTC 1 CTTC	CCALATCOCC	C & & C T C C T C &	CO
	GATCGTNAAA ACCCCAAATG TTTTAAAATN AGCAGNGTTC					
15	AGANCACATA CCTGAANTAA					
	NCGTATGTTT GCATCTCTCT					
	ATTCCACAAT CAACGGGATT					
20	SEQ ID NO:7767 SEQUENCE LENGTH:105					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	derd				
•	CLONE: HUMGS09017					
25	SEQUENCE DESCRIPTION:					
	GATCAAAGTA GCCACAACAT	TCTCTTAAGC	CAAAGNCCAA	TCCAGAACAA	NGCCCTAACT	60
	CTCTTCAATT CTATGAAGAC					105
30	SEQ ID NO:7768					
	SEQUENCE LENGTH: 216		,			
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS09018					
00	SEQUENCE DESCRIPTION:	#### 1 1 1 CC#	ም መ ለ መመው ለ 1 ለ 2	1 TOO BORD 1 1	100101010	
	GATCGTCAAA CCATTCATCC					60
	TTTGTGTACA GGTAGATTTT TGGTGTTAGC TATAACAAGG					
	ANAAAAAANN NCTTTTGGGG			CCCAAGIICI	IIGIGGAAAA	216
40	ANAAAAANN NCIIIIUUU	HONGHITTOC	COLICN	•		210
	SEQ ID NO:7769					
	SEQUENCE LENGTH: 75					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear			•		
	CLONE: HUMGS09019					
	SEQUENCE DESCRIPTION:					
	GATCCTCCCG TGTGTGGTTG	GAAAACTTTT	GTTTTTTGGG	GTTTTTTTTT	TCTGAATAAA	60
E0.	AAAGATNCTA CTAAA					75

	SEQ ID NO:7770					
	SEQUENCE LENGTH: 341					
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS09020					
	SEQUENCE DESCRIPTION:					
	GATCTGTGTC TTAATTGTTC	AGTTAGAGTG	AGAAGTTGAC	CTATGATTCN	TTTTTAAATT	60
	TTATATTTGG AACAAAGCTG	CAAGTTATGG	TAANGTACTG	TACTGNGNGA	NGTATTATGA	120
10	TATTTAATGC ATCTNTGGCT	TAACACTTGT	GAGAGTTACC	AGCTTGAAAA	TGATGGTGTT	180
	GACTACCTCT TGANTCACAT	CTATCAACCA	CTGGCACCTA	CCACCAAGCT	GGCTTCAATT	240
	AGTATGTGTT GCTTTTTGGT	ATTAACANCT	AACCGTACTA	GAGACCAAAG	TGAACCCTGA	300
	TNTTTAATAT GTNTTTAATA	ATGGTGGTTT	TATCTAGTGG	N		341
15						
	SEQ ID NO:7771					
	SEQUENCE LENGTH: 238					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
20	CLONE: HUMGS09021					
	SEQUENCE DESCRIPTION:					
	GATCCAAGCC TGGAGTTTGC	AGAAGATACT	GTCCTAATAA	GCAGGCATTT	CTAAACCAAG	60
	TATCTAAGCC TAAGCACAGC	TTGTCCTGGG	TGAAATGTCT	GCCACAAAAG	ATAGTTTCTC	120
25	CTAGCTCAGA CTTAACCATT	TATAAAGGTT	GGTAAAATAC	TGGCAGTGAC	AACAAATTGA	180
	CTTTTTAATT TTTTTATTTG	CATTATTCCA	ATAAATGAAA	ATCTGTCAGA	GTTCTAAA	238
	SEQ ID NO:7772					
	SEQUENCE LENGTH: 123					
30	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS09022					
	SEQUENCE DESCRIPTION:					
35	GATCTGCCCC CACTGTCCTG	TGAGGACAGC	TGAGGCCAAG	NAGTGAAAAA	CCTATTACTA	60
	CTAAGAGAAG GGGTGCAGAG	TGTTTACCTG	GTGCTCTCAA	CAGGACTTAA	CATCAACAGG	120
	AAA					123
40	SEQ ID NO:7773					
40	SEQUENCE LENGTH: 361					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS09023					
45	SEQUENCE DESCRIPTION:					
	GATCCAGGTA GAATTTTNAA					
	GTCATGTGAG GTTAAACCAG					
	AGCACTGTTT GANGATTGCN					
50	AGTGAAGGAC CCCCTCCCCA					
	AGGCAACCAG GAAACTGCTA	CTTGTGGNCC	TCACCAGAGA	CCAGGAGGGT	TTGGTTAGCT	300

	CACAGGACTT CCCCCACCCC	AGANGNTTAG	CATCCCATAC	TAGACTCNTA	CTCAACTTNN	360 361
5	SEQ ID NO:7774 SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS09024 SEQUENCE DESCRIPTION: GATCAAGCGA ACTAATTTTA	GGTTGAAATC	CGAATAAAAG	AACTTTACTG	GAAA	54
15	SEQ ID NO:7775 SEQUENCE LENGTH:188 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09025	acid				
20	SEQUENCE DESCRIPTION: GATCTGTATA ATGTACATTC TTNACAATTA CACTCATCTT CAAGCTCCTT TNCATTCAAT TTTCAGAN	TAACATAACA	TCTTGACATC	CATTTTNAAA	TTTTTTGCA	
25	SEQ ID NO:7776					
30	SEQUENCE LENGTH: 221 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS09026 SEQUENCE DESCRIPTION:	acid				
35	GATCACCTGN AGGTCAGGAA CTACTAAAAC AAAAATNAGC GGCTGAGGCA GGAGAATCGC TGCATTCCAG CCTGGGCGAC	CAGCATGATG TTGAACTGGG	GCAGGCGCCT AGAGGGGCAG	GTAGTCCNNN AGGTTGCAGT	CTATTCAGGA	
40	SEQ ID NO:7777 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS09027 SEQUENCE DESCRIPTION: GATCGTAGGA ATTGAAGGAG TGGAGATGGG TGTNTGTGTG CAAGACCGAG ATTGAGGNAA GTNCCCCTGT GACACTCAAA	TGTGTGTGTG ANCATGTCTT	TGTGTGTGTG	TGTGTGCGCG	CGCGNCAGTA	
50	SEQ ID NO:7778					

5	SEQUENCE LENGTH:286 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09028	
10	SEQUENCE DESCRIPTION: GATCCTGGTC CCCTCCCTGC TGGACCTGCC ACCCAGAGCT TCCTGNCTAG TCCCACTGGG 6 CTGGCCCACC AGGCCTCTGA CCCAGGCTGC TCTNCGGCCC CTTCCTCCTC CTNTTCCTGC 12 TCCAACTTCT GTCCACCTGG GGACAGTCTG TGCCTGTAGC CTNATGACCC CAACCCAGCC 18 CCAGGCATGG CTAACCCCTG ACTGNTTGCC TCATATTTAA GCTGCTGNTN TGGCCAAGTG 24 NCTAATTTTA ACCCAGACCT NAATAAAGAC ACNTNTTTGT ACCAAA 28	30 40
15	SEQ ID NO:7779 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09029	
20	SEQUENCE DESCRIPTION: GATCTGATTT TTCATAAAAA ACATTTGTGA ACCTTCGGCA TAAATGGGTT AAGGTGCCAT 6 CCCTGAAACT GCAATGCAGA TATGTTCAGN TAACTTTNAT TTNTTAATTA AAAATAAATC 12 TTTCAAA 12	20
25	SEQ ID NO:7780 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUMGS09030 SEQUENCE DESCRIPTION: GATCTGANTT TTCATAAAAA ACATAAANTG ACCTTCGGCA TAAATAGGTT AAGAAGCCAT 6 CCCANAAACT NCAATGCAGA TATGTTCAGN TAACTTTTAT TTTTN 10	_
35	SEQ ID NO:7781 SEQUENCE LENGTH:321 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	GGTGAGATTG GAGAGATGAA GGATGGAGTC CCAGAGGGAG CACAANTNNN GGGACCGGTT 12	•
45	CATCGAAATC CAACTTACCG CCCAAGGTAC CGTAGCAGGG GACCTCCTCG CCCACGACCT 18 GCCCCAGCAG TTGGAGAGGC TGAAGATAAA GAAAATCAGC AAGCCACCAG TGGTCCAAAC 24 CAGCCGTCTG TTCGCCGTGG ATACCGGCGT CCCTACAATT ACCGGCGTCG NCCGNTTCCT 30 CCTAACGGTN CTTCACANGT N 32	0
50	SEQ ID NO:7782 Sequence length:66	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09032 SEQUENCE DESCRIPTION:					
	GATCCACTGA GTTAGTTTCA CTTAAA		GGAAAGAACT	GGAATTAAAC	TTGTTTAATC	60 66
10	SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09033					
1	SEQUENCE DESCRIPTION: GATCCTCCCA GCTGTCGGCC TCCCCAGGGT CCGCCGAGAG GTACTGTCAA A	GCGGACCCGG				
2	SEQ ID NO:7784 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
2:	SEQUENCE DESCRIPTION: GATCACAAAT GCATTTTTCA AATGGACTCT GTAATGCATT TTGAATTAAA AATCTAACAG	TGCCCATATT				
31	SEQ ID NO:7785 SEQUENCE LENGTH:345					
3	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09035 SEQUENCE DESCRIPTION: GATCTTAACT TTAATAAGGC		CTTCGAGCTG	TTGCGTGTGT	AAGTCTGTTG-	60
4	TGTGGATGTN CGTGTNTGGT CCTCGGGGCT GTCCCCACGC ATTCCGTCCT GGGTGTCTGG GGCACANCCC CAGGAAGGGA ANTTTCNGNA ACCTCCANTC	TGTCCCTTTG GCTGCTAACC CCCTGGACAC	CCACAAGTCT TGGCCTGCTC GGCTCCCACG	GTGGGGCAAG AGGCTTCCCA TCCAGGNTTA	AGGCTGCAAT CCCTGTGCGG	180 240
4	SEQ ID NO:7786					
5(SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
51	CI ONE - WIIMCEOGOGG					

	SEQUENCE DESCRIPTION:					
	GATCAGCTCT CTGTGAAAAT	GGACCAATCA	TCAGGATGTG	GGTGGGGCCA	GATTAGGGAA	60
	TAGAAGCAGG CTGTCTGAGC	CAACAGTGTC	ANCATGCTTG	GGTCCCCTTN	CATGCTGTGG	120
5	AAACTTTGTT CTTTCGCTCT	TCACANTAAA	TNTTGCTGCT	GCTCAAA		167
	SEQ ID NO:7787					
	SEQUENCE LENGTH: 172					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS09037					
	SEQUENCE DESCRIPTION:					
	GATCCTGGAC AAAGCTTGGC	TECCESCTTC	ATTTATTCCT	CCTGATGGCT	GAGAAGCATC	60
15	TGTTTTCCAT CCCACTTGCC					
75	ACTGCATGTT TTATAAAATA					172
	ACIDONIUII IIMIAAANA	AAAA I AAAA I	AICUITIUIA	ATTIAICTOR	AA.	112
	SEQ ID NO:7788					
	SEQUENCE LENGTH: 255					
20	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS09038					
	SEQUENCE DESCRIPTION:					
05	GATCCGCCCA CCTTNGGCCT	CCCAACACAA	ፐ ጥጥ ለጥ ለጥጥጥ	TOUNCETOOT	ጥተም አጥር ምርጥ	60
25	TTGTGCCATA TGCTTCTNAC					
	CCACTATTAC ATGCTCTCCA					
	CCATTCTGAT AATTCTGGAT					
	GATGTATACT ATAAA	AIGIAGAAAA	ALAAAICCIU	IIIAIGIGII		255
30	UNIVERSITY ATAMA					233
	SEQ ID NO:7789					
	SEQUENCE LENGTH: 256					
	SEQUENCE TYPE: nucleic	aaid				
05	TOPOLOGY: linear	aciu				
35	CLONE: HUMGS09039					
	SEQUENCE DESCRIPTION:					
	GATCCCTGAC AGCAAAAAGT	**********	ACCCTCCCAT	ACTCCCACTC	TOCAGGTGGA	60
	GACTGAGCAA AGGAAGTCCT					
40	AGCTCTCTCC CTGGGAACCA					
	CTGGTCACGA GCTTCTACCA					
		CCITIGCAAT	IGICACITAI	CITICACICC	CIGAAIAAAG	
	TATCTATGCA TATAAA					256
45	SEQ ID NO:7790					
45	SEQUENCE LENGTH: 123					
	SEQUENCE TYPE: nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUNGSO9040					
50	CLUME: NUMUSUSUSUSUSUSUSUSUSUSUSUSUSUSUSUSUSUSU					

5	GATCTCCCAC CTTTCGGGCC GAGTGTGGAC TCTGGTGCCT AAA					
10	SEQ ID NO:7791 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09041	acid				
15	SEQUENCE DESCRIPTION: GATCTAGCTT CAGAGGAAGT TGTGTTTAGC NNNGNAATAC CACTGTATTT AACTGAAAAG ACTTTAATAA CANACTTCAT	TGTAACAGGA AATGCCTACA	CATCACATGG GATTGGATAT	AAAAATCAAA TTAATAGGGA	GCAGCTGGCT AAATTAAGGC	120 180
	ATATTANTGC CATAGTTTTT ATATCCCAGN					
25	SEQ ID NO:7792 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09042	acid				
	SEQUENCE DESCRIPTION: GATCCGAAGG CTGCGGGCAG A	CGTNTNATCC	CGTGGTTTAA	TAAAGCTGCC	GCGCGCTCAA	60 61
	SEQ ID NO:7793 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGS09043 SEQUENCE DESCRIPTION: GATCTTGGTC TTATTTGCAC	AGTTTTTGCG	TCTTGTTTGC	TTCTTGCATC	TGATTAACTA	60
40	GAATATTTCT NTTTCCCCCT GCACTACNCC ATTGGTTTCC ATCTTCCTCC AGGCTTGTAA TCTGTATAAA ANCAAANGCA TTTTCAAATN	AATACTGCAC TACCCTTCAC	ACATAAGATA ATGGAAGATT	CATACTTGTG AATGAGGGAA	TGCAGAAAGT ATCTTTATAT	180 240
45	SEQ ID NO:7794 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS09044 SEQUENCE DESCRIPTION:					

5	GATCAGTAGA AAATGGACAT TGAAATGCTT GTAGGTTCTG ACTGTATCAA CTCTAACGGA	TGCCAATTTT	CCACCACTGT	GTACTTTGTT		
10	SEQ ID NO:7795 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09045	acid				
15	SEQUENCE DESCRIPTION: GATCCGAGAG TNAAGGAAGT GCCTTCTCTG GCCACTCCTG ACACCCACAA TAAAAACCTG	GGAGGGACTG				60 120 149
20	SEQ ID NO:7796 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09046 SEQUENCE DESCRIPTION:	acid				
25	GATCCAAACT AACTGCCCAA TAGCAATCAA TACAGCTTCA			GNTTCACCNT	AACCCGCANC	60 98
30	SEQ ID NO:7797 SEQUENCE LENGTH:265 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS09047 SEQUENCE DESCRIPTION:	acid				
35	GATCTNTAGC CTCACCCTGN GGGGAAAAAA AAAGTGAAGA TCTGGGCAAC ACCCAGATTA CAAAGACCAA GCCAACTGCA GGGNNGGGTG CACTCAATTG	ATGGACTTCA AGCAGAAAAG GATGGGCTGC	CAGCAAAGTG CAGGCCCGGG	GTCTCAGNNC ANCAANGGCA	AAAAGGNCAC AGTTTGTCAC	180
40	SEQ ID NO:7798 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGSO9048 SEQUENCE DESCRIPTION: GATCTTACCC GTGCNTGGNC					
50	AGAGAACGGG CGTCAGGGGT GGNCCGGCCC CTCACCCTCT		CAGCTGAAGA	GCAAGGTTTN	GTGGCAGCAC	120 146

SEQUENCE DESCRIPTION: GATCTCCGGA CCTCGGCTGC AGAGGCCATC GCAGCTTTN AAAAAGTNAAG TGG CCATTGGTGT CTTTNCTTAT AGCATTTCN TCTAACCTAT AACAAGGGG CAT ANCTTTAGAA CATGTGAATA GGAGGTTTNC TCATGACTTA CCATTCCAGC TGN AGCAAAGCAG AAAACAGTGC CCCAAATGGA AAANAGNTAC TCACACAGAN CAA CTNGGTCTTG TCCTTGGTCT TGTCAAACCT TGCCTGATGC TCTTTCTAAN GTC GANTGATAAG CCNGGCN SEQ ID NO:7800 SEQUENCE LENGTH:372 SEQUENCE TYPE:Bucleic acid CLONE:HUMGSO9050 SEQUENCE DESCRIPTION: GATCTGGTTA AGTTGTGTAG TAAAGCATTA GGAGGGTCAT TCTTGTCACA AAAA CATCGGTTA AGTTGTGTAG TAAAGCATTA GGAGGGTCAT TCTTGTCACA AAAA AAACAGCC TCAGGAGAAA AAATGACTTG CTTTTCTAAA TCTCAGGTTT ATC TATCAATAG ACAGGCTTCT GATAGTTTGC AACTGTAAGC AGAAACCTAC ATA NATCCTGGGCA TTTNCTTGGTA AACAGATTTT AANTTCTGA TATAAANCAN GCCC AATTCGGGGA TTNAAGGTTC NCNGAATAGC CTATATATGG TGCATCGGNT AGG TGATTTTTG ACCCTTTTCG GCTTTACCTN ATGGGAAGAC CCNGTTCNTT TTT. CCNGGTTTT GN SEQ ID NO:7801 SEQUENCE LENGTH:356 SEQUENCE TYPE:Bucleic acid TOPOLOGY:linear CLONE:HUMGSO9051 SEQUENCE DESCRIPTION: GATCAACCTC TGAATTTTAC ATCATGAATG TAATCACCAC TGGAGCTTCA CTG ATTATTAATT TTTTGCCTCC AGTGTTCTAT CTCTNAGGCT GAGCTTCA CTG ATTATTAATT TTTTGCTTCC AGTGTTCTAT CTCTNAGGCT GAGCCTTCA CTG ATCATGAAA GCACAAGTGA CTAGTCCTAT GATGTACAAA GCCTTATATA AGA CTTTCCACTG GCTCTCAAAC TCTCTAACTT AAAAGTNTTG TGAACACCAC CCC ATCCATGAAA GCACAAGTGA CTAGTCCTAT GATGTACAAA GCCTGTATCT CTG TTCTGCTCCT TTCACTCTT GCAATTGCTA AATAAAGCAG ATTTTATAAA TACA		
SEQ ID NO:7800 SEQUENCE LENGTH:372 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09050 SEQUENCE DESCRIPTION: GATCTGGTTA AGTTGTGTAG TAAAGCATTA GGAGGGTCAT TCTTGTCACA AAAA TAAACAGCC TCAGGAGAAT AAATGACTTG CTTTTCTAAA TCTCAGGTTT ATC TATCATATAG ACAGGCTTCT GATAGTTTGC AACTGTAAGC AGAAACCTAC ATA NATCCTGGNC TTTCTTGGTA AACAGATTTT AANTTTCTGA TATAAANCAN GCCI AATTCGGGGA TTTNAGGTTC NCNGAATAGC CTATATATGG TGCATCGGNT AGG TGATTTTTTG ACCCTTTTCG GCTTTACCTN ATGGGAAGAC CCNGTTCNTT TTT. CCNGGTTTTT GN SEQ ID NO:7801 SEQUENCE LENGTH:356 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09051 SEQUENCE DESCRIPTION: GATCAACCTC TGAATTTTAC ATCATGAATG TAATCACCAC TGGAGCTTCA CTG ATTATTAATT TTTTGCCTCC AGTGTTCTAT CTCTNAGGCT GAGCATTATA AGAA CTCTGCCTCCT TTCATTGCA GAAAATTGCC AGGGGCTTAT TTCAGACAAC CTCC ATCCATGAAA GCACAAGTGA CTAGTCCTAT GATGTACACAA GCCTGTATCT CTGT TTCTGTGCTC TTCATTGCA CTAGTCCTAT GATGTACACAA GCCTGTATCT CTGT	ATTACATTT 1 GNATGGGAA 1 AAAACAGTT 2 FCNAAATAT 3	120 180 240 300
SEQUENCE LENGTH:372 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS09050 SEQUENCE DESCRIPTION: GATCTGGTTA AGTTGTGTAG TAAAGCATTA GGAGGGTCAT TCTTGTCACA AAA 25 TAAAACAGCC TCAGGAGAAT AAATGACTTG CTTTTCTAAA TCTCAGGTTT ATC TATCATATAG ACAGGCTTCT GATAGTTTGC AACTGTAAGC AGAAACCTAC ATA' NATCCTGGNC TTTCTTGGTA AACAGATTTT AANTTTCTGA TATAAANCAN GCCI AAATCGGGGA TTNAAGGTTC NCNGAATAGC CTATATATGG TGCATCGGNT AGG' TGATTTTTG ACCCTTTTCG GCTTTACCTN ATGGGAAGAC CCNGTTCNTT TTT. 30 CCNGGTTTTT GN SEQ ID NO:7801 SEQUENCE LENGTH:356 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS09051 SEQUENCE DESCRIPTION: GATCAACCTC TGGATTTTAC ATCATGAATG TAATCACCAC TGGAGCTTCA CTG' ATTATTAATT TTTTGCCTCC AGTGTTCTAT CTCTNAGGCT GAGCATTATA AGAA CCTCTGCTCCT TTCATTGCA GAAAATTGCC AGGGGCTTAT TTCAGAACAA CTTC CTTTCCACTG GCTCTCAAAC TCTCTAACTT ATAAGTNTTG TGAACCCCCA CCCA ATCCATGAAA GCACAAGTGA CTAGTCCTAT GATGTACAAA GCCTGTATCT CTCT TTCTGTGGCTC TTCATTCTT GCAATTGCTA AATAAAGCAG ATTTATAAA TAGC	3	317
SEQUENCE DESCRIPTION: GATCTGGTTA AGTTGTGTAG TAAAGCATTA GGAGGGTCAT TCTTGTCACA AAAG TAAAACAGCC TCAGGAGAAT AAATGACTTG CTTTTCTAAA TCTCAGGTTT ATC TATCATATAG ACAGGCTTCT GATAGTTTGC AACTGTAAGC AGAAACCTAC ATA' NATCCTGGNC TTTCTTGGTA AACAGATTTT AANTTTCTGA TATAAANCAN GCCI AAATTCGGGGA TTTNAGGTTC NCNGAATAGC CTATATATGG TGCATCGGNT AGG' TGATTTTTTG ACCCTTTTCG GCTTTACCTN ATGGGAAGAC CCNGTTCNTT TTT CCNGGTTTTT GN SEQ ID NO:7801 SEQUENCE LENGTH:356 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09051 SEQUENCE DESCRIPTION: GATCAACCTC TGAATTTTAC ATCATGAATG TAATCACCAC TGGAGCTTCA CTG' ATTATTAATT TTTTGCCTCC AGTGTTCTAT CTCTNAGGCT GAGCATTATA AGAA CTCTGCTCCT TTTCATTGCA GAAAATTGCC AGGGGCTTAT TTCAGAACAA CTTC CTTTCCACTG GCTCTCAAAC TCTCTAACTT ATAAGTNTTG TGAACCCCCA CCCA ATCCATGAAA GCACAAGTGA CTAGTCCTA AATAAAGCAG ATTTTATAAA TACA		-
AATTCGGGGA TTTNAGGTTC NCNGAATAGC CTATATATGG TGCATCGGNT AGG TGATTTTTTG ACCCTTTTCG GCTTTACCTN ATGGGAAGAC CCNGTTCNTT TTT CCNGGTTTTT GN SEQ ID NO:7801 SEQUENCE LENGTH:356 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO9051 SEQUENCE DESCRIPTION: GATCAACCTC TGAATTTTAC ATCATGAATG TAATCACCAC TGGAGCTTCA CTG ATTATTAATT TTTTGCCTCC AGTGTTCTAT CTCTNAGGCT GAGCATTATA AGAA CTCTGCTCCT TTTCATTGCA GAAAATTGCC AGGGGCTTAT TTCAGAACAA CTTC CTTTCCACTG GCTCTCAAAC TCTCTAACTT ATAAGTNTTG TGAACCCCCA CCCA ATCCATGAAA GCACAAGTGA CTAGTCCTAT GATGTACAAA GCCTGTATCT CTG- TTCTGTGCTC TTCACTCTTT GCAATTGCTA AATAAAGCAG ATTTTATAAA TACA	CTGGGCTC 1	20
SEQUENCE LENGTH: 356 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS09051 SEQUENCE DESCRIPTION: GATCAACCTC TGAATTITAC ATCATGAATG TAATCACCAC TGGAGCTTCA CTG 40 ATTATTAATT TTTTGCCTCC AGTGTTCTAT CTCTNAGGCT GAGCATTATA AGAA CTCTGCTCCT TTTCATTGCA GAAAATTGCC AGGGGCTTAT TTCAGAACAA CTTC CTTTCCACTG GCTCTCAAAC TCTCTAACTT ATAAGTNTTG TGAACCCCCA CCCA ATCCATGAAA GCACAAGTGA CTAGTCCTA GATGTACAAA GCCTGTATCT CTG TTCTGTGGCTC TTCACTCTTT GCAATTGCTA AATAAAGCAG ATTTTATAAA TACA	GTCNTTAT 3 TAAATNAT 3	300
SEQUENCE DESCRIPTION: GATCAACCTC TGAATTTTAC ATCATGAATG TAATCACCAC TGGAGCTTCA CTG ATTATTAATT TTTTGCCTCC AGTGTTCTAT CTCTNAGGCT GAGCATTATA AGAA CTCTGCTCCT TTTCATTGCA GAAAATTGCC AGGGGCTTAT TTCAGAACAA CTTC CTTTCCACTG GCTCTCAAAC TCTCTAACTT ATAAGTNTTG TGAACCCCCA CCCA ATCCATGAAA GCACAAGTGA CTAGTCCTAT GATGTACAAA GCCTGTATCT CTG TTCTGTGCTC TTCACTCTTT GCAATTGCTA AATAAAGCAG ATTTTATAAA TACA		
ATCCATGAAA GCACAAGTGA CTAGTCCTAT GATGTACAAA GCCTGTATCT CTG	AAAATNAC 1 TCCACTTA 1	20 80
	GTGATGAT 3	
SEQ ID N0:7802 SEQUENCE LENGTH:359 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09052		

	SEQUENCE DESCRIPTION:	
•	GATCAAGCAG ATTCCACGAA TCCTCGGCCC AGGTTTAAAT AAGGCAGGAA AGTTCCCTTC	50
	CCTGCTCACA CACAACGAAA ACATGGTGGC CAAAGTGGAT GAGGTGAAGT CCACAATCAA 12	20
5	GTTCCAAATG AAGAAGGTGT TATGTCTGGC TGTAGCTGTT GGTCACGTGA AGATGCCNGA 18	30
	CGATGAGCTT GTGTATAACA TTCACCTGGC TGTCAACTTC TTGGTGTCAT TGCTCAAGAA 24	10
	AANCTGGCAG ANTGTTCCGG GGCCTTATNT TNTCAAGAGC ACCNTGGGGN AAAGCCCCCA 30)0
	GNGGCCTNTT NTTAAGGGCA CCGTTTNGAN NTAAAATTTC TNGTTANCCC AGTTCNAAA 35	59
10	SEQ ID NO:7803	
	SEQUENCE LENGTH: 134	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
15	CLONE: HUMGS09053	
	SEQUENCE DESCRIPTION:	
	GATCCGGCCA GTTCATTGAA CAAACCTTTC CTTTTTCTAA AGTTCCAGAA GCCTTCCTGA 6	0
	AGGTGGAAAG AGGACACGCA CGAGGAAAGA CTGTAATTAA TGTTGTTTAA ATAAAAATGC 12	-
	AGTTTAGTGA TAAA 13	
20		-
	SEQ ID NO:7804	
	SEQUENCE LENGTH: 62	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS09054	
	SEQUENCE DESCRIPTION:	
	GATCTACTGA CATTAAGCAC TTTGTACAGT ACAAAATAAA GTCTACATTT GTTTAAAACA 6	0
00	AA 6	2
30		
	SEQ ID NO:7805	
	SEQUENCE LENGTH: 120	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY: linear	
	CLONE: HUMGS09055	
	SEQUENCE DESCRIPTION:	
	GATCTGGATG ATGGTTATGT AGCTGCATAT ATTTGTCAAC ATTCCTCATG CTGTATGTTT 60	-
40	AGATTTGTGA TTTTACTATA TGTAAATTAA TTCCTTAATA AAATACTATT ATAAAATAAA 120	0
70		
	SEQ ID NO:7806	
	SEQUENCE LENGTH: 209	
	SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY: linear	
	CLONE: HUMGS09056	
	SEQUENCE DESCRIPTION:	
	GATCTAATCT TCTGTGCTCT GTGTATTGGC GACGAGCAGG GTGAGAATAA GTGCGTGCCC 60	-
50	AACAGCAATN AGAGATACTA CGGCTACACT GGGGCTTTCC GGTGCCTGGC TGAGAATGCT 120	
	GGAGACGTTG CATTTGTGAA AGATGTCACT GTCTTGCAGA ACACTGATGC CCTCCTGGAA 180	1

	GCCTGTGAAT TCCTCAGGAA GTA	AAAACCN	209
5	SEQ ID NO:7807 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear CLONE:HUMGS09057	i d	
10	SEQUENCE DESCRIPTION: GATCTTAATT TTAAAAATTA AAA	CTTGGNG TTTTTTAAAT AAAAACCTTT TGTCTTAAA	59
15	SEQ ID NO:7808 SEQUENCE LENGTH:100 SEQUENCE TYPE:nucleic aci-	d	
20	CLONE:HUNGS09058 SEQUENCE DESCRIPTION: GATCAAAGTA ATTGCTTAAA TGTO GTGGTGGGTA CCTTAATAAT AAA.	CTTGTGG AATNAGCTGT CACTTTATAG TTTATGTATT AAGATTT TTAATGTAAA	60 100
25	SEQ ID NO:7809 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09059	d	
30		TGTATAT TTGTCAAAAT TCCTCAAACT GTATGCTTAA TAAATNA TACTTCAATA AAGTACCAAT AGCATAAA	60 118
35	SEQ ID NO:7810 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09060 SEQUENCE DESCRIPTION:	d	
40	GATCCATAAC CTCTTTAGAG ACCO	GGCTCCT GGATGCAGAA TCCTATGAGG TTCTGGCCAC CTGACAC CCATGTNCCA TCCCTCTAAA CCCCTGTCCC 1 CTCTGGG GTTCCTTGGT CATTAGAGGG TTTTNAGGTC 1	
45	SEQ ID NO:7811 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	d	
50	CLONE:HUMGS09061 SEQUENCE DESCRIPTION:		

	GATCTGAATG GTTTTAATAA					60
	CACCACCACG TAAGACGTGC TCCCCAGCCA TGCAGAACTG					120 175
5						
	SEQ ID NO:7812 SEQUENCE LENGTH:329					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear					
10	CLONE: HUNGS09062					
	SEQUENCE DESCRIPTION: GATCCCCCAT TCCCCACCCT	0004047040	0000#0000	T0*00****	C + CD D C D D C D	~~
	GGAATTGGGG GACCNCCGCC					120
**	CTTGGCTTTG GGGATACTTC					
15	GTGGCAGGGA TTCCACTCAG					
	TTTTGGGGTT CCCAGCACCC					
	ATTCAAGGAC TCCTNTCTTT	TNTTCAANN				329
20	SEQ ID NO:7813					
	SEQUENCE LENGTH: 326					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS09063					
	SEQUENCE DESCRIPTION:	000000000	0.000.0000			20
	GATCTGCCAG CCCTACATCC					60
	GCGCANAAGC GGGCCCTGGA CAAAAGAAGC AGCTGAGGAA					
30	GCAAAGTNTG ACCAGTGTGG					
	GGCTGCTGCA NGANGCGNGC					
	TTTAAAACCA ATTTNGGAGA				•	326
35	SEQ ID NO:7814					
	SEQUENCE LENGTH: 20					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS09064					
40	SEQUENCE DESCRIPTION: GATCGGAATG NAAATCTAAA					20
	-UNICUGANIG NAMAICIANA					20
	SEQ ID NO:7815					
45	SEQUENCE LENGTH: 248					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS09065					
	SEQUENCE DESCRIPTION:					
50	CATCAATGTT CAAACTCTTC	TTATATCCCA	ACTUTTTA AC	ACATTCACAC	TOTTOTTO	εn

	ATTTCAACTG TGAATTGTCT	TACAGTTTTT	TCAAACCTAG	TTGTTTCTAT	GGACACCTGC	120
	TCTGAATTGT ACATTGACTN	CATTACTAAA	GAACAAAAAT	GTTCATTTTT	GTCCCAGTAA	180
	ATTGAGACTG CTTGTACACT	TTCAGAAAAA	TATGTGAATT	TATAAAGNTT	TTGTAGATAC	240
5	TTGTCAAA					248
	SEQ ID NO:7816					
	SEQUENCE LENGTH: 87					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS09066					
	SEQUENCE DESCRIPTION:					
	GATCCCCGGA TTTNACACTC	CTTCTGTTTT	GTTGCCGTTT	ATTTTTGTAC	TCAAATCTCT	60
15	ACATGGAGAT AAATNATTTA		dilucculli	ATTITION	TOMMITOTO	87
.0	ACAIGGAGAI AAAIWAIIIA	AACCAAA				01
	SEQ ID NO:7817					
	SEQUENCE LENGTH: 267					
	SEQUENCE TYPE: nucleic	aaid				
20	TOPOLOGY: linear	acru				
	CLONE: HUMGS09067					
	SEQUENCE DESCRIPTION:					
	GATCCACCTG NCCCTGACCT	CCCACACTCC	TCCCATTACA	CCCATAGCCA	CCGTGCCTGA	60
25	CCAGGGCTCT TTTAGCAAGG					
23						
	ATACTTGCTA CATGTTGTGA					
	AGAGATGCAC CCTGTATCTG		CITACAATGG	AGGITCICIC	CIGITATATI	
	GCTGAATAAA CTATGTGAAC	TGCTAAA				267
30	SEQ ID NO:7818					
	SEQUENCE LENGTH: 22					
	• • •	:-				
	SEQUENCE TYPE: nucleic	acid				
0.5	TOPOLOGY: linear					
35	CLONE: HUMGS09068					
	SEQUENCE DESCRIPTION:					00
	GATCTTCAAG CAAGAAAATA	AA				22
	070 IN NO 5010					
40	SEQ ID NO:7819					
	SEQUENCE LENGTH: 90					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS09069					
45	SEQUENCE DESCRIPTION:				a.a.a.	
	GATCATAGCT GAAAATTAAT			GCAGAAGTTT	CACACATCAA	60
	AGTAAAAGAT TTGCATATCA	TTATACTAAA				90
•	480 ID NO 5000					
50	SEQ ID NO:7820					
	SEQUENCE LENGTH: 25					

	SEQUENCE TYPE: nucleic acid TOPOLOGY: linear	
5	CLONE: HUMGS09070	
	SEQUENCE DESCRIPTION: GATCATTAAA AAATTAATAA AGAAA	25
	SEQ ID NO: 7821	
10	SEQUENCE LENGTH:33 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS09071	
	SEQUENCE DESCRIPTION:	
15	GATCCCAATG AAACGAATTC TGTCTCCCTG AAA	33
	SEQ ID NO:7822	
	SEQUENCE LENGTH: 23	
00	SEQUENCE TYPE: nucleic acid	
20	TOPOLOGY:linear	
	CLONE: HUMGS09072	
	SEQUENCE DESCRIPTION:	
	GATCTTCAAG CAAGTTAANT AAA	23
25		
	SEQ ID NO:7823	
	SEQUENCE LENGTH: 75	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear	
	CLONE: HUNGS09073	
	SEQUENCE DESCRIPTION:	•
	GATCTTCATT TAGCTCCTTT ACTGGGATTT ATTGGATGCT NGTAAAAAAA TAAAATTTAC ACTGTNTATG CGAAA	60
35	ACIDINIAIG COAM	75
	SEQ ID NO:7824	
	SEQUENCE LENGTH: 284	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear	
40	CLONE: HUMGS09074	
	SEQUENCE DESCRIPTION:	
	GATCAAGAAA GGGCTGTGGC TTGTATCAAA GGGTGTTTAA AAGGATTTAC TATCAGATTT	60
	GGCCTTGTTT TCTGTGATTT TGGNNAGCGT TCAAGGAAGC CAGGCTTTGG TCTGGATTGG	
45	ATGTTCTCAG GTCATGAATA TAATTCTCTG GGAACTCCCA AAGTTCTCAT CTACAAAGCA	
	GAAGTTAATT GGAGCTGAAA ACTAATCAGT AAAGCCACAG CAGCCAGTCA TATGGGGGAG	240
	AAGAGGGGAA TGTTTGATGG TTTTTGTGGT TTAGAGGTGA GTTN	284
50	SEQ ID NO:7825	
	SEQUENCE LENGTH: 21	

	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09075	
5	SEQUENCE DESCRIPTION: GATCCTTTGT TAACAAATAA A 21	
10	SEQ ID NO:7826 SEQUENCE LENGTH:159 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09076	
15	SEQUENCE DESCRIPTION: GATCATATTT ATTITAACTA TITTITTAGA AAATTATTAA TITTAATTGT ATTITTGTAT 60 TTAAAAAGCT TCTTCACTTG TITTCCCTAA NNNTTCANAT TGCTGCCCAA AAGTATGACT 120 GTGGAGGAAA AAAAANTACT TNAAAANTCC ACACTITTN 159	1
20	SEQ ID NO:7827 SEQUENCE LENGTH:328 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS09077 SEQUENCE DESCRIPTION: GATCTGTGCA GGGTATTAAC GTGTCAGGGC TGAGTGTTCT GGGATTTCTC TAGAGGCTGG 60 CAAGAACCAG TTGTTTTGTC TTGCGGGTCT GTCAGGGTTG GAAAGTCCAA GCCGTAGACC 120 CAGTTTCCTT TCTNAGCTGA TGTCTTTGGC CAGAACACCG TGGGCTGTTA CTTNCNTTNA 180)
30	GTTGGAAGCG GTTTGCATTT ACGCCTGTAA ATGTATTCAN TCTTAANTTA TGTAAGGTNT 240 TTNTTGTACG CAATTCTCGG TTCTTTGANG NGATGGCAAC AAATTTTGGG NTTCTACTGT 300 TATGTTGGGG NNCATTNGGG CCCANGNN 328)
35	SEQ ID NO:7828 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09078	
40	SEQUENCE DESCRIPTION: GATCTCCTGA CCTCGTCATC CGCCCGTNTC GGCCTCCCAT AGTGCTGGGN TTACAGGCAT 60 GAGCCACCAC GCCCGGCTGT TTTATTTCTT ATAACTGTAC AGGANNNN 108	
45	SEQ ID NO:7829 SEQUENCE LENGTH:277 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS09079	
50	SEQUENCE DESCRIPTION: GATCATGAAG CCATCAGCTC CTCTGGGGCC AGCTANAGGA CAACAGAACT NTCACCAAAG 60)

	GACCAGACAC AGTGAGCACC					
	AATTCANTGA TGTGGNGAGG					
_	TGGAGGGTGG GNAGGNGACG		_	GGACCNGGGT	CACCCAGCAG	
5	CTGCCCCATN TTNATGCCGA	GCAACTTNTN	GNCTGGN			277
	SEQ ID NO:7830					
	SEQUENCE LENGTH: 123					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS09080					
	SEQUENCE DESCRIPTION:					
	GATCAGACCA AACAGTGCTG	TTTCCCGGGG	AGGAAACACT	TTTTTAATTA	CCCTTTTGCA	60
15	GGCTCCCACC TTTAATCTGT	TTTATACCTT	GCTTATTAAA	TGAGCGACTT	AAAATNATTG	120
	AAA					123
	SEQ ID NO:7831					
20	SEQUENCE LENGTH: 338					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS09081					
	SEQUENCE DESCRIPTION:					
25	GATCCAGAAA TGGAGACTGG	ACCTTCCAGA	CCCTGGTGAA	TGCTGGAAAC	AGTTCCTCGG	60
	AGTGGAGAGG TTTACACCTG	CCAAGTGGAG	CACCCAAGCC	TGACGAGCCC	TCTNACAGTG	120
	GAATGGAGAG CACGGTCTGA					
	GTGCTGGGCC TGCTCTTCCT		*			
30	CACTCTGGAC TTCAGCCAAC			AAGATGNCCA	CATTCAAGGA	
	AGAACCTTCT GCCCCAGCTT	TGCAGGATGA	ANCACTTN			338
	SEQ ID NO:7832					
	SEQUENCE LENGTH: 309					
35	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS09082					
	SEQUENCE DESCRIPTION:					
40	GATCTAATCT CAAATACAGT					60
	TTAAAACGAA TCTTTTAAAT					
	ATGTTAAAAG TGAGTATGGG					
	CTATGTAAAA TAACTTGGCA					
	NTATGGNTGC CTTAGCTCAT	TTGACANCTG	GNAGANTACT	TGTNTATCTN	GTTTNAGACA	
45	CATTGANTN					309
	SEQ ID NO:7833					
	SEQUENCE LENGTH: 233					
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY · Linear					

	CLONE: HUMGS09083 SEQUENCE DESCRIPTION:					
	GATCCAAAGT GGCAGGAGGT	CTGTGTTGTC	ATGGNGAACT	GGAGTTTCTC	TTGTAAGAGT	60
5	TCCCTCATCT GAAATCATGT	ATCTNTCTCA	CAAATACAAG	CATAAGTAGA	AGATTTGTTG	120
	AAGACATAGA ACCCTTATAA	AGAATTATTA	ACCTTTATAA	NCATTTAANG	TCTTGTNAGC	180
	ACCTGGGAAT TAGTATAATN	CCANTGTTAA	TNTTTTNNAT	TTACATTTTG	TNN	233
10	SEQ ID NO:7834					
10	SEQUENCE LENGTH: 99					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS09084					
15	SEQUENCE DESCRIPTION:	•				
	GATCGGAATT TNACAGAATT	GGGACTGTGG	AACCNNGGGT	CACTTGAATT	TCCTATATTT	60
	TGTATGGCCA AATCAGGAAC	CAGACAGTCT	CCATAGTCN			99
	SEQ ID NO:7835					
20	SEQUENCE LENGTH: 288					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS09085					
25	SEQUENCE DESCRIPTION:					
	GATCAGCCGA TGACAGAGAT	TGTAAGCCGT	GTGTCGAAGC	GAAACTGGNG	CCGCCACGTG	60
	CGGGCNCTGG TGCTTGACCT					
	NAAAANCGGT ACACCATCCG	CTGACCCCGT	CTGCTCCTCT	AGGCTGGCCC	CTTGTCCACC	180
00	CCTCTCCACA CCCCTTCCAG	CCCAGGGTTC	CCATTTGGCT	TCTGGCAGTG	GCCCAACTAG	240
30	CCAAGTCTGG TGTTCCCTCA	TNATCCCNCT	${\tt TACCTGAACC}$	CNTNTTGN		288
	SEQ ID NO:7836					
25	SEQUENCE LENGTH: 32	:3				
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acıa				
	CLONE: HUMGS09086					
	SEQUENCE DESCRIPTION:					
	GATCTAAATA AAATGGACNG	TTCTACCTTA	AA			32
40						-
	SEQ ID NO:7837					
	SEQUENCE LENGTH: 152					
	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS09087					
	SEQUENCE DESCRIPTION:		_			
	GATCTGAAAC AGATGAAAGT					60
50	AATACTTAAG ATGTGATATG			TCTNATNCTA	NNGGAAAAAG	
	GGACATTAAA AAAGCTTATG	ITAAAAGATA	AA			152

5	SEQ ID NO:7838 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear	
.10	SEQUENCE DESCRIPTION: GATCGTTCTT CATGGGGGTA AGAAAAGCTG GTCTGGAGTT GCTGAATGTT GCATTAATT TCCTGTTTGC TTGTAGTTGA ATAAAAATAG AAACCTGAAT GAAGGAAA	G 60 108
15	SEQ ID NO:7839 SEQUENCE LENGTH:30 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION:	
20	TGAAAATTTA TTACTACAGT GTTTTCACCA	30
	SEQ ID NO:7840 SEQUENCE LENGTH:20 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single	
25	TOPOLOGY:linear SEQUENCE DESCRIPTION: TAATACGACT CACTATAGGG	20
30		
35	SEQ ID NO:7841 SEQUENCE LENGTH:25 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single	
	TOPOLOGY:linear SEQUENCE DESCRIPTION: CTTCTTTCTG TAGCCAGGTA ACTCT	25
40	SEQ ID NO:7842 SEQUENCE LENGTH:25 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single	
45	TOPOLOGY:linear SEQUENCE DESCRIPTION: TTTTCGGCGC TCCCATTTAT TCCTT	25
50	SEQ ID NO:7843 SEQUENCE LENGTH:35 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear	
55	SEQUENCE DESCRIPTION: CACGAATTCA CTATCGATTC TGGAACCTTC AGAGG- NH2	35

5	SEQ ID NO:7844 SEQUENCE LENGTH:37 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION: CTCGCTCGCC CATCCTTATA CAGGCTCAGT TTTGTCT	37
10	SEQ ID NO:7845 SEQUENCE LENGTH:37 SEQUENCE TYPE:nucleic acid	
15	STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION: CTCGCTCGCC CATGTATAGG GACAGCATTT CTGAGAG	37
20	SEQ ID NO:7846 SEQUENCE LENGTH:38 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single TOPOLOGY:linear	
25	SEQUENCE DESCRIPTION: CTGGTTCGGC CCACCTCTGA AGGTTCCAGA ATCGATAG	38
30	SEQ ID NO:7847 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic acid	
35	STRANDEDNESS:single TOPOLOGY:linear SEQUENCE DESCRIPTION: CCAGGGTTTT CCCAGTCACG AC	22
40	SEQ ID NO:7848 SEQUENCE LENGTH:22 SEQUENCE TYPE:nucleic acid STRANDEDNESS:single	
45	TOPOLOGY:linear SEQUENCE DESCRIPTION: TCACACAGGA AACAGCTATG AC	22

50 Claims

55

 A purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.

- 2. A DNA probe consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
- 3. A DNA primer consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto comprising any of the base sequences listed under SEQ ID NO 1-7837 and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
- 4. A purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
- 20 5. A DNA probe consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.
 - 6. A DNA primer consisting of a purified single-stranded DNA, a purified single-stranded DNA complementary thereto, or a purified double-stranded DNA consisting of said single strands, containing all or a portion of a single-stranded DNA or a single-stranded DNA complementary thereto, wherein said single-stranded DNA is complementary to a human mRNA containing any of the base sequences listed under SEQ ID NO 1-7837 (wherein T is read as U) or any portion thereof at its 3' region, and hybridizing specifically to a particular site of human genomic DNA, human cDNA or human mRNA.

Fig. 1

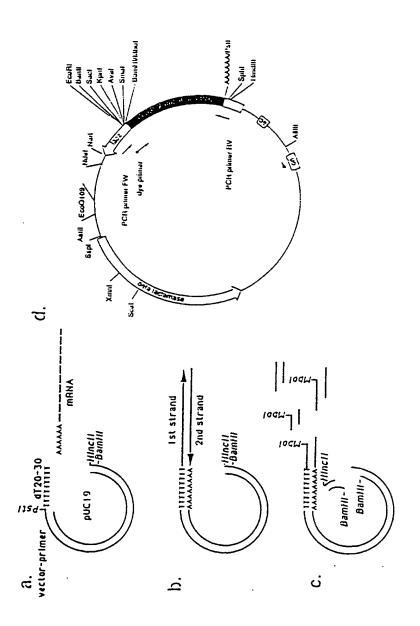


Fig. 2

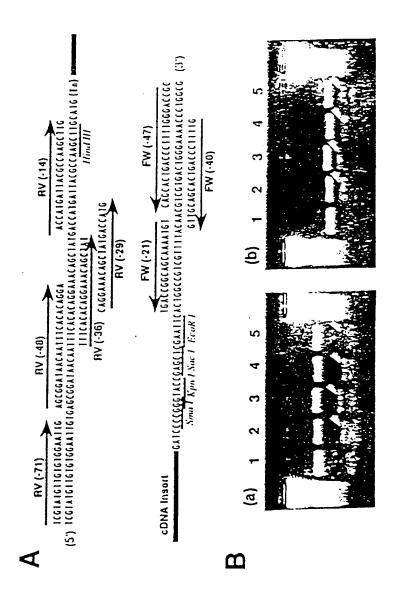


Fig. 3

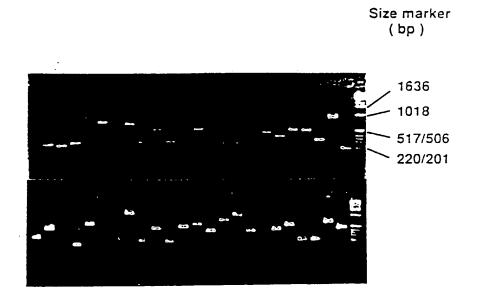


Fig. 4

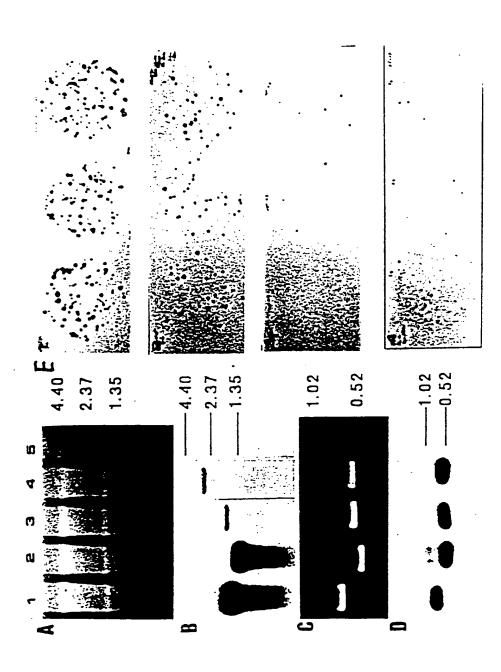


Fig. 4

F

probe No.	1	2	3	4
gene	Elongation factor	@1-anditypsin	HnRNP core, protein A1	Inter-a-aypsin inhibitor
(a) Band intensity of Northern blot(cpm)	687	423	10	15
(b)Band intensity of control blot(cpm)	133	177	100	127
(c)Normalized signal(a)/(b)x10	52	24	1	1.2
(d)Positive signals on colony blot	307	119	7	9
(c)Relative representation	44	17	l	1.3

Fig. 5

Appearance	frequenc	ncies of various cDNAs in the 3'-directed HepG2 cDNA' library	rected HepG	2 cDNA' 1.1br	ary.
Group	Group Clone	Gene	A in 982 (%)	B' "in 8,800 (%)"	C "in 26,400 (%)"
	a15 c321 Tre	Elongation factor - 1Aa mslationally restricted tumor protein a-1-antitrypsin	22 (2.2) 12 (1.2)	307 (3.5) 89 (1.0)	ZZZ
-	hm01b02 c13a04 hm02d02 lb042	hm01b02 Light chain of ferritin c13a04 NADP(II) Menadione oxidoreductuse hm02d02 Ribosomal protein Sil ib042 Human RNP core protein Al	6 (0.6) 4 (0.4) 3 (0.3) 2 (0.2)	62 (0.7) 62 (0.7) 27 (0.3) 29 (0.3) 7 (0.1)	Z Z Z Z Z
	s155 s159 s639 s635	unknown unknown unknown	 .	00 T C	5 (0.02) 4 (0.02) 3 (0.01) 2 (0.01)
=	\$170 \$154 \$167	unknown unknown unknown	·	000	1 (0.004) 1 (0.004) 1 (0.004)
	s645 s647 s632	unknown unknown unknown		000	1 (0.004) 0 (<0.004) 0 (<0.004)

Fig. 6

5.000198 \$10001038	3	Chromosomal position	Sente	Anti-sansa	₹	얻	Ξ	O.	9	d	۰
\$1000388 \$1000018				P						,	-
910010018	pm2366	-	CAGAGCCCAGTACAACTAT	AAGITTATTGTTGGGGTCAG	1	=	1	1	9	-	ľ
	pm2444	-	AATGGGACAGTTACACTTGA	PURCHUS LICENSES	; ;	: :	= ;	3	2 2		•
\$10010318	Pu0883	-	166401010044661	יייייייייייייייייייייייייייייייייייייי	?	3		202.4	3	-	-
01001047	66(1)00		ימשינות ומתיועררי עורו	ALANGI ALCCCI IDANIGOCI	9	151	2	3	9	•	•
0,0000	2771111	-	GICACTCTCAQCCATAGCAC	ACCATCTTCAGCCCACACTT	3	3	101	9	\$ 200	9	•
10000	Arma .	-	GCCCTAACACGAGGAACTC	TAATITCCCACTCCCGTAAC	2	=	110	\$ 200	300	-	-
911000	I () I und	-	GGGTTTCAATAGGGTGTAGACC	GCCCCAATCTGTCAAACTG	3	88	98	92	10)	_	-
18110018	pe10600	_	TIGCTGGATTGTAACTITTG	GGCTGAACATTCACTCTITG	7	76	6		200	-	-
91001200	pm1351	_	TAMBAABACCCTTATGGAGACC	AATAATCITGGITAGICACITAC	•	6	8		ļ. ·		• •
91001316	2060rud	-	TCAGGTCTGCTTGGAGGATG	AACICACAGCACAGTATITIG	: 5	2	12	000	000	٠ -	•
910015	pm1518	_	AAGGTGTACAGGATATTTGCAGA	TGCAATAGCCCAATCTCATT	; \$	90		200	902	• -	• -
91001464	pm1439	-	CCAAAGACCTCCGTTGAACA	TITGGGAGAGCCATAGACAG	: 3	9	2	2		-	
97710015	pm0433	-	TACTCAGTGGAAAGATAAAC	CAGIGGACCACAITITICTIA	9	60	8				
91001521	pm2785	_	CCCAATCAATTGTTAAATG	TTGAATCAGAGACATGAAGIT	; ;	102 175	9	00%	200	• -	• -
31001551	FA117291	-	CCAGAGAGITCAAGGGAITG	GGTACAAAGTGCAAA1GACT	9	3	3	8 2	\$51	-	-
\$100183	pm2006	_	CCAACATGGTCCTAGCACTG	AAACTITATIGCAGGITCIT	: ‡	5		200	000	٠ ٦	•
61000130	02C1mq	~	CATGATACTCTTCGGTGGTA	AAACAGTAGTTGCCAGCATE	: •	3	3 01	}			-
910010018	pm1736	~	AGGCTGAAATGTGGCATGCT	CCCGTTATIGCTACATGTCT	. 4	5 5	611	6	4		
1801.0018	prn0931	~	AAAGCAATACAMATACCAA	TICATATGETTAGCAGIA	9	8	3		<u>:</u> .		-
91001098	Pm0925	2	TAAIGTÄCÄACGATGAATAG	TAATGTAATAATGCAGGTAA	÷	99	10			-	-
61210018	pm2010	~	CCAGATGGAAAGGGAAGTCT	CTGGAATATGGAGAATCAAACAG	7	125	125	150	200	-	-
\$50,001	2160mg	~	TCGAGTTFTGTCTCTAATAA	GGAMTATCGCFICAGTTG	\$	COT	(01			-	_
87210015	prn 2003	~	AGTCCTTCTTGGCTCCTCAT	TATCGTCAGTGCCITTATIG	25	2	?	, 200	•	_	_
91001434	prn2435	~	TTITGTACCTACGTAAGAGTACTT	ATCCGTGCCACATAGTGA	Ş	105	108			-	~
81001442	pm1671	~	TTATTAGGGAGTCATTATTCTGTG	AGTICCCATICITCCACATG	Ş	3	65	200	\$ 200	-	~
65710016	pan 1245	~	TIGCTITCCCGICTCIAAGT	ATGTACAATITGCGTATGTAGG	7	\$ 2	52	170	8	-	-
\$15150	prn1216	~	ATCTACTGTTGTTGAAGTG	ACTGATITIGGTCCCATCTG	Ş	99	29			-	-
91000875	prn0449	-	CGAACATTCACCTCTCATA	ATGATTATTTAGGCAGGAA	\$	99	69	٠	٠.	•	9
10010016	pu1758	•	TCTGGCTCTTTGGTGTTGGA	GGCCCACTGAGTACAATGTC	3	115	115			-	-
£1003	pm2434	-	AAAGAAAGCACACTGCCTAA	ATGIATAGACAMICCAMG	2	8	8			-	-
91210018	prii0668	c	GTAGTCTCCTGCCCTTTAGC	AAGGATTTGATTITCTACAT	Ç	ı,	~			-	_
670133	pm1729		GGTCCTGTTANTTGACAT	AAACAAGAGGATGGTFCAGA	ŧ	2	\$	155	, 200	-	-
9001001	pm1822	-	GATCCTTGGTGTGTAGTTCAGTC	CTGCAAATACAGGGAATCAT	9	æ	3	160	2	_	-
\$17.00 to	pui2209	•	ACCCAGTCCCAAATCCAGT	ACACTCCCCCAGCCCTIACT	55	105	501	=	200	-	-
581166	pm2455		ATCTAGGTGGCTGTAGTATT	Traagagatgaatteategt	2	130	90	100	\$ 200	_	-
17500018	pn1252	~	GTCCTTIGCTATCTGTGTTA	AAGCATTATHGAGGTHA	Ç	3	3	95	200	_	_

Fig. 7

91000448	pm2256	•									
50010016	1511mg		GTOCKTO CONTROL OF THE CONTROL OF TH	GITCAGTITTATTCAGAGCA	7	29	29	\$ 200	69	-	~
91001215	prn0988	• •	Signey Inches Inche	GTCATATATTCCATCAA	\$	8	3			-	_
91001294	0002362		AUAMAIIMIAGCATAGGT	TAGAGICAAAGTIGCCTGTG	ţ	3	001	35	•	-	_
0,000993	70000	• (ATCANAGTITAATTGCITCA	CATCCCATCACATACAAGTC	7	911	116	200	98	_	_
96900016	pm1809	•	TCTCGTGAAGAGCAGACAA	TCTANAGGAAGAACAGCATC	ą	01	2	=	8		
9000000	91.000	. ·	AAGCAATGCCTTATCCACAG	CTAAAGAGCTTGAT	Ş	49	8	200	200	-	
10110018	2000	. .	TCACCCAGATAATITACAGT	GAGACATAAGCAGGTAAGAT	₹	130	150			_	_
197 10018	91100	n (TACCTTACCGIGICITIAC	AGACAAATATCCCAAAAAGC	÷	60	CH	100	200	-	. -
15000018	2000	n (ALTIGIGAGIGGITTACIA	AGAAATGGATGCTITTAITC	\$	9	S	\$ 200	200	_	. _
0,001326		•	AATGTCATAGTCTCCTTTCA	IGCATCCITCAATGICITCI	=	7.8	78	12	900	٠.	
70000	et led	ø	CATTGAGACAGCAGCACAG	CCTGGCCCTCTCCTGAGTA	S	102	3	: 1	2		, .
100145	917.16	æ	TAGGCAAAACACGAGAAGAG	AAGGAGCIGCIGICAGGTIC	=	39	ý	: :	3 8		
(5)(0)	pm1785	v	TATATGCAAATATTCCAAAGTCTG	TCTATATICTGGTCCCTTATCT	9	200	3 8		3 8		
12710016	P010283	9	Matacgigicgicagi	TTAMAMIGICATGGIAAT	: 2	Đ.	2 8	9	3 5		
1001663	s) roug	9	GCACCTAAGCCTCCCAAAGT	TITATATCAGICCAAGAGC	5	1.38	. 3	900	000		
, 0.7043.	pkn2619	ø	TCTGCATTGACAAGGACCAC	TITGAGATITIAMIGAGICATIC	9	63	2	200	3 4		
1370001	1500ta	^	GACCTGAAGTGTGAATGAGT	AACTI AGCITI'I ATGGGAITI'	45	9	-	300	;		
23.103.0	182000	^	AGCCAAACTCGGGGTCATCT	CCACGGGACAGGIGAGICAI	9	65	3	}			
50,100	pri0219	^	AATCATTTGGCGAGACTGTA	AAGACAACTITATCCAGACA	:	: 1	3 2	3	200	. .	
8/cips	501 md	^	TCAGGCAGTCTGCTCAGATA	TIGGAGGITAATCIGITTA	: 3	? ?	3 2	2 2			
/VI 001	Pn0956	•	AACAGTATTGCGTTGTCAGACTAG	•	; ;	: =	2 2		. ,		. .
9/1100	prn252)	o	Traccictánicarator	AAAAGCAGAACACACTAAG	: =	; ;	3	3 3	2 9		. .
8171001	pun2708	9	TGTATTGGATITGGATTCIC	CAMAGCAMACAGCAGATA	: :	: 6	; ;	-	3 :		
09700015	prn0895	6	TTGCCATCAAACACATACA	сПатаманттавттета	: :	: 3	; ;		;	- -	
85010010	pm0959	10	TAMAGANTCACCCTCATTG	CACATGGTTATTGGAACACT	: :	3 2	; ;	. ;	. ;		- .
/	pru0547	9	AAGTATTGTGCAAAGATGTA	AAGAAACACIGCCITGIGG	; ;	: :	: :	7 6	: }	- 4	
31001284	pm2245	9	TGTGAATGCTATCTCCT	GCAATCGTTTCCATATCAGT	: :	3 3	2 9) (Sec	3		,
\$200035	pm2664	=	ATCAMACAMCAATCCAGA	ACIAIAIAIACIGCCAACI	; ;	3 3	3 :	₹ :	3 ;		
5511001	pin0880	· =	GAATAGCTTGGAGATTTCAC	GGAGAATCATACCTTCAGGA	, 4	2	3	3 ;	S 3	~	~
\$1001313	pm0+15	=	AAÁGTGACCTTGATGGACAGTGGA		2 5	3 5	2 :		s i	-	_
251.001	pni2943	=	AGGGTGAAGGGTATTFFACG	CACATCATGGITGAGAGCTA	? ?	3 9	3 2	200	2		~ (
1001408	pm0559	=	AACCCTCTAGTAAGGCATTG	TATTAAACCAAATCCAGTA	; ;	; :	3 :	. }	٠ ;	•	
1001570	pm2810	Ξ	CTGTAAAGGTTTTTGGAATTATGT	THEATTHETACCAGATETAL	; ;	,	; ;	9	2	-	
1,000273	pur0368	13	AGTGTATGGAAGACCTTGAG	GTICATTGAAACGGTGTAGC	¥ :	70'6/	2	€	200	-	_
18601163	pm2756	21	TOTOCCTATTCACAACCACT	STICKLING WALLEST AND STATE OF THE STATE OF	2	3	20	ē	200 ×	-	~
1001193	pm(19)	- 2	CECCES OF SECURITY	MINALITICALAGONIAGON	\$	89	8	200	2	-	~
4001235	04112790	: :	CACAGCATANAGCATCATA	ACCCIAAITIAGTIICTCAC	9	9	100			-	_
1001274	om1355	<u>.</u> .	CALCALGGIACAGICAGAAG	CAGTTGTCAAATGTAITG	7	63	28	6	69	-	_
1001308	p.r.0368	ž <u>C</u>	ABAIGICAGIAITCICCICATEG	GAGAACAGCAGTAAAGCAACCAC	辛	3	ڇ	200	\$ 200	-	-
6510001	36.00	2 :	CCAAAGIGCIAGGGTTACAG	TICAATAGACCTIGGGTTAC	\$	591,20	56	> 200	, 200	-	_
		2	CIAMGATITAATGCGATTCC	AGYFAGTGTAFGGCAGAGGA	9	701	104	200		_	~

Fig. 8

95001044	pm1659	2	TIGIAAGCCIAICACACA								
91001290	1071mg	2	VOLDADATO LO	ACACACITATECCATCTA	7	109,200	601	\$ 200	ā	-	-
4,001362	9110md	2	TOTO TO	SCALINATONICATION OF THE TOTAL	ន	153	133	\$ 200	2	-	_
99(10)166	p-m0364	! 5	TO THE TOTAL OF TH	TACATIACAIGACATIGIGA	\$	5	9	98	9	-	_
96001389	Oun2301	2 :	I GCI I AGCI I I CCCI CCT I A	GAGCATTICTGTTGTTCCTA	45	(9	63			_	_
26710016	175000	2 :	CATGAACCTGCTCACGACAA	GCCITACTTIAATGCTGACC	15	90	8	100, 201		-	_
91001367	0m0441	2 :	AAATGAATGTAAATAGCACT	ATITAGTTTACAGGGAGAAT	Ŧ	22	22		7	-	_
91001564	(or 6 mg	: :	GITTAAGTITTGATTTGGG	CATTCCACTCTTACATTTCT	Ŧ	11	:	\$ 500 \$	100	-	
9:00:536	pu-2019	: :	CGTICCTAACTCTGAAATC	AATGCTCATTTAITCTCAAG	45	55	55	\$ 200	× 300	-	-
910019	om2220	= :	ATCACATTACCTTTAGTTG	* ACGATAACTITATTGGAGAT	39	69	63			_	-
08600080	2111111	2 :	TCCCCATCCTCAGTTGAAGT	TGAGAACAAAGGAACCAGT	7	2	0,	9	95	-	_
0,001242	20113	9 :	TEGAATEGAACCCTTGCTA	ACITATGCTGCCTGAAATGG	48	79	2	9	2	~	۰ ~
0,001516	copper c	2	CCCTTGTTTTACATGTTCA	TATTAAATICICCCATTCAT	Į	105	105	101	102	~	
93001566	Comme	9	ACAGTGCTAAAATCAAAGGTG	TCTGACAACTCAAGGTGCAAT	45	2	2	\$ 200			
9000010	f isomed	9 :	TTGTGTCGGACTATGTAAT	TCACTTITATGGGAAGCAG	=	S	S	\$ 200	2 200	-	-
0,001015	25000	= :	CTCTCCATGITCTCTACAAG	TAGAAGGAQAATCTGTGGTI	÷	=	~	971	200	~	-
91001156	#000 mm	= '	ATATTCACCTTCCCATCCAT	TCAANTACGTCCTCTCAAGC	S	9	3	, 200	200	_	_
(2110019	S C C C C C C C C C C C C C C C C C C C	2	CAGAAATTAAGTGCAGCAAT	TCGTATCTGCATCTTAAGT	\$	6	001	\$ 200	\$ 200	~	. ~
10010	/ Lizurd	2	AAATCITGTGGTIAITTCC	GTGATTČTACTGTACATTGC	ţ	911	91	571	200	-	
	a/Bluzd	-	TAMITTGTGGAMICTCITGGA	ACACATITGGGITIGCTITAAC	7	001	100	95	6		
910000	t i conto	2	TGTGACAGCAGCTICAT	TCGTACATITTAATICCACC	45	128	128				
90,000	Dr. sowd	-	CATCTCACAGACAGGAAAC	ACCTAAGAGICCAGAGAAAC	2	00	3	69	, 200		
6,000	2122ud	2	TGACTGCAATAAGGAGTTGT	GAACATACCACGUITATTICI	99	90	ŝ	091	200		
2.60.63.0	pui06.42	-	GICTTCAGCAGAITTCAGGI	ACTITCTTCTTGAGGACACA	Ş	99	2	160			
9,000,00	5101ud	61	TGTGTCTCCAGCTITGTAG	GITACATTGCCITGGTACAG	6	. 9	9	200	200		
11000	pur0289	61 .	GGATCAGACCAACAGTGCTG	GCAAGGTAFAAACAGATTA -	9	្ន	93				
94001487	pn:1688	61	GAAGCCACCTGCACCTCA	GGAGAGTAFTGGGGGAACGGT	3	3	: 3	200	00.	- ~	- ~
\$1001009 C-001004	6/gruid	2	GCCATGCTTGTAAAGTGATGT	Tragaagecaltagetaggata	2	9	9				
800000	pm1146	೩	GCCCITAGGAITCACIGCIC	ACCACCCAAGGTCTITCAGG	52	99	. 9	180	200	- ٠	
8001008 001100	21 loud	Ŗ	TGCTGGATGACTICTACACG	ICCCIATCATGGC1GCTGTT	ç	3	65	\$11.65	5		
	717000	2	CTGCTCGGCTAGTCTGACTC	CAAAIGGICIAAGAGGACAI	\$	135	135	. (3)	160	-	
251000	t gowd	2	TCTGAATGATGGAAACA	ATCCTAGTCCCAACCCAGTA	7	001	50				
90000	7/1wd	2	GGAGCCACATGGATTGATTG	AAATGTACCCCTGGCACCTC	\$2	124	~	200	, 200		
	cc 100	2	AGCCATCTGGTTATGTCTTA	GGAGCAGAAIGAAACTTCAC	7	96	90	200	200	_	
//cionis	5/1vd	2	TCCATGGTGTTAGAAGCCAG	CCACATCICCAACAGGGAGT	Š	142	142	. 200			
Section 8	pm2101	12	GTCAGCTCAATGCTACACAG	TTATAGTGCAACACAGAGT	\$	90	2	9			
/7 mm/s	p1110648	71	CTTCTGCTATAAAGTAGAG	ACAATIGGTICACTAAATGA	50	95	3	37.			
e/foons6	. 2160ud	25	GGTGTAGTGTAACCATTTAG	AGITGCACCATCICCIGIC	46	: 2	2 2	000	
771033	pm0911	22	GGTC1TGTCTCCCATCTGT	AGAAAGCCCCAAAGIAGICC	: =	: Y	5	99	9 3		
6,001,001	pm2231	22	TGAGCTGCACTTACCTGTGAGAG	`	; ;		2 3	3	9	- (~ .
\$1001679	prn2328	23	TACAGCCCTCCCAGCTAAAC	_	; ;	5 3	. v	à 9	<u> </u>	~ -	.
					!	;	;	?	3	-	~.

Fig. 9

66600016	97 Jud	×	TT-00TO-TT-01T-00TO	:	,	;	;				:
87110010	0412180	: >	מוניים ואינון אינון איין אינון	CALCUALLACIAN AGGA	÷	<u> </u>	6			_	_
91001141		- €:	GGAGGGAGATATAGATTGT	AAAAAATCCAGAAGACIGA	.5	2	2	135	3	_	· _
90710010	and the second	× :	TICTATAAGTGTGACCAGTF	GGAGGATTIGAGATACACAT	ŝ	8	65	\$ 200	2	_	_
20110010	100	×	TAATGCCAGTGAATGTTGCGTAA	GTANAGGITIATCCITGCATCAGA	÷	05	20	2000	9	~	•
201000	982 Zurd	9 1,7	ATCCTGCTGAAATACATCTG	GGGGAGAGACAFCACATGAC	.6	2	20	93	97.0	_	_
	E I OUR	1,2,12,13.Y	GATCCOATGGGAGTGTAAAT	AATAGAAAGGTAAAGGAGAA	ŧ	69	69	2.		_	_
101100	50233 1	1,2,3,5,6,12,14,17,X	TIGGAATIGACATTCTCTAT	TITATTGTAACAAGCAACT	Ç	00.1	00.1	50	132	~	~
groom g	+ ICO14	1,2,6,X	TATCANGCTGAAAATGTCAC	Tracigaatccagccaacca	÷	6	6	01		_	
91000140	pont 461	1,3,4,5,8,16	TCCAAATGAAGAAGGTGTTA	AGITGACAGCCAGGTGAATG	Ş	95	96	8	901	_	_
60000	pm 561	2,20,21,22	GTCTGTCAAGCCAAGATTCA	THITIATIGNIGCICCAAGI	7	011	9	021	150	_	_
91000018	pm2785	2,4,5,10,12,15,17,20,22,Y	GACCTGTGACATTCTGGACT	TATATGGITGITACACTCG	Ç	- 9	- 5			~	
6,00,00		25.14.6	GCCTTGTTATITCACCACTC	ATCTCCCTTGCTCCAGTTA	9	85	82	\$ 200	~	_	
26110016	Pn 1653	2,9,12	TCTGAGGACATTCCAAGACAG	CAGICAMACCAACACGGTAT	Ş	88	56	6	3	_	_
61000313	pen () 3	2,9,13,17,X	TGCAATAAAGGGAAAGACCA	CCGTTGTAGGTGATGAAATG	ę	20	9	\$ 200	\$ 200	_	~
8 isom to	Pri0885	x, X	GICATTIGIATGCAATTICC	ACATTITITITICAACG	?	÷	\$			_	~
80110010	pur0452	3,01,0	CATGTACTCAGAGGCACTTC	GCAACTACAAATCCCAAACT	3	=	5	\$ 200	951	~	~
0,000019	pm2651	3.4.1	CAGGGACTGGAGCAGGAAAG	GATITACCCATTAGGAAGC	3	2	101	9	. 99	_	
\$2000	pm2632	9,6	Traggaaatatggitagacag	ATAGTAFIGGGTIGACACAGTA	\$	3	20	\$ 200	25	-	_
9:00:39:	כנווש	9'6	TGGATITGCTFTACC1TG11	ACACCCTCAGGAGATGTTAC	\$	ន	G		\$ 200	_	-
6,000018	Pm255a	3,9,10,15	GCACIACAAGCCAAATCAGA	CFFCTFACACCAACAGCAG	3	98	90	, 200	521	~	9
\$0900013	pm0626	9.	GGATTICTATTIGCTGTCAT	GETFATIGIACGGCATFFAC	7	105	8	\$ 200	002 1	~	-
21210015	pm1234	6,20	GCATTAAACAGGAAACAATA	CTGTCCATGTGCCATAAACC	Ţ	2	011	501	/01	-	-
2101016	pm0606	7,18	AGATGCTAACATTAGGGATA	TFITAGACATACAGAGGAGT	7	ē	5	102		-	-
31335	pm 1253	0,11	CCAGACTACAGGCTGATGGC	CCCTTACCCCAGCAACTCTT	ž	75,130	3.5	, 200	, 200	_	_
6500035	Prid 115	7 6	ACCAATGTCACTGCTTCTAAAATA	CCCATAATAAGTGAAGAGGTAGTTC	2	125,155	121	135	300	_	-
9210015	92+ Quind	10,15,22	AAGAAATTGTTTACTGGATT ·	YFATCIGACIIGGAGGAAAT	7	/01	101			-	-
910016	pm2 420	10,15,22	ACTACCCTGAGATATTAGTT	TICALITATITIGATTAGTTGA	9	93	100	2.		-	-
C.C00015	C0(24d	11.14	ATACCACTTCCGCTGTCACG	GAGGAGCGTCTACTGGTCTT	3	73	:	7.5	\$ 200	-	2
11(00)16	pm2613	12,19	GCACCAAGAAGCAGTICCAG	TIGGGAATGAGAAAATAACT	â	3	ÇĐ	3		_	~
0100010	pan2773	12.41	GATCTCAGT[CTGCGTT[A1T	TACATACAAAGATGCAAACAGT	\$	3	3	7.9	89	_	_
610016	27 Z Tud	13,16	Aliciteraraciectrec	GTCTCTCTCGGGGGGA	4	62	09	135	081	_	_
9/600318	pm2780	14,16	AACCIGITITACCGCATCIT	AGGYFATFIGICCACCAGAA	9	3	8)	\$ 200	, 200		_
\$10019	pm1683	17,20,C	TGTTGGTTCACCATTGAGAC	AGAACAACACAICAAAGAIGC	9	3	90	\$ 200	8	-	_
\$1001383	pm1748	17,22,Y	GAATGTCATCCAAGACGTAG	CTAGITATATCTGGCTCTG	\$	18	ā	\$ 200	200	_	_
9:(300)18	pm0964	17,0	TITATCCCAGCAAGCACAAC	TCTICCICTICACTCICCIC	Ş	2	130	\$ 200	٥٢.	4	=
99C100B	pm2217	2,6	ACTIANAGIAGCITIGIACG	TGCCTCCTGGTCTGATAATA	Ç	SR	95	200	95	-	_
910016	pm1213	D'81	CCCCAGTTAAAGATTATTGT	AGTGACGATGGAAGGATGTA	Ŧ	6	26		92	_	_
91001217	Point 1.18	19,20	TGCAGAGTGATTITCCAGAG	CGTAGGICATICITITCAGC	9	\$2	12	160	65	_	_
60010010	pm2824	19,22	A'CCCTC'IGTCTATTCACAC	GCTCGTTAACTCACTTCAC	÷	9	9	00.1	0/.1	~	~
2/11095	pri0887	19,22	GCCTGCATCTGTG1TGAC1T	AACCTCIGGGAACAAATCAT	\$	5	697	160	99	_	_

Fig. 10

200000										
6700016	pui2048	o	AGGACACAACACCAGCTAT							
9001009	prof (5)	3	ATCTCTTTGTAGCCATCCTO	OTT.	ţ	2	5	101	×	-
2000	prn2236	Z	GTAGAGCTGCATTGACTACC	U I MAGIGCIGATGCCATT	45	64,100	3	•	500	-
	Prid 506	Z	GYCCCACACTCCACCT	ACAGACAAGGAATAATCATA	7	108,96	91	011	7	
	pm2354	2	TGTCTTGTGAGTGTGTG	GCACATATTAGAATCCATC	9	z	=		200	
State of	pin2402	H,C	GCTAGAAGAAGGGGGGG	TFFACAGECAATAAATACATGTF	Į	9	9		90	. <i>.</i>
t symmetry a	. pun2786	M,C	CACAAACACCAAACACCA	CITAACTCGATAGCCAGGTC	9	52	2		<u> </u>	
820008	Pm1704	Mic	Tecaceascascascascascascascascascascascascasca	ATGGTFATITFATCAGATFG	Ŧ	C A	3		: 6	
Zoromas	pm2)10	Mic	TGGAGAAGGACAAAA	AAITCATAGGGAATAGGITC	2	75,130	75		: ~	
e cocos co	pm1689	14,0	CATGAGGTAGGGG	GAACAGGGITAGTCCAITCG	#	95	50			: -
91000675	pm) 143	N,C	AAAGCATCITOACACCAAGC	AGGAGTCCGTGGGTC1TGAG	5		.	1 70		- =
25 /oms6	prn1 452	A,C	GCAGCAGATACCTITACACA	GGAGGACTCGCTTGA	₹	110,2200	0 =	02.	9	
Seconds	pmq368	MIC	GAAGTOTOTOTOTO	таб Псаптсаптсетте	ī	102	105			• •
91001010	Pm2783	H,C	ACGATATITATAGEGAAGE	CAGACCCCATCTTITATACC	7	2			<u>ء</u>	: -
1 5010018	Paul 14	14,0	AGATOROTOTOTOTOTO	ICAMACTITAATATATGCT	\$	03	ន	16	95	· -
62110036	14112290	N,C	ACTGGTGATGGAAGGTTAGA	CCATTCCTGTCATTCCAGTT	3	135	2 2 2	_	3	
(9110)	pm1626	2,5	GAGAGGGGTGGGTGGG	CCACACTGAGCACCGTCT	\$	55	\$5	55	55	
91200318	Pcn2109	Y Y	TOTO COLUMN	CTICCCTTIGGTCTTTCTGT	7	90			٤ ۽	
(\$210016	pmt240	1	A SET CALLACTER CAST AAGT	ACATGTÁTITGATAGTGTT	2	9			3 5	- .
\$1001241	Pm1131	N.C.	ACT THE SECOND CONTRACTOR	AGTGAATAAACTCFCCACTCC	2	25			2 2	
gs(0)35	D(110952) (ALI IMMACCCACCAGCAT	ACAACAGCAGTCAAATAGAA	?	· 6			2 2	
95(100+6	pm2216) (Y	ANDTOCATO	ATÇATGGCAGATGGCAAGGA	ş	3			; 5	
81001411	PHI0058	N.	ATOCOTITION	CGITCTCTITIATITGACAT	Ş	001				• •
910014	pm2626	2187	ACATION CONTRACTOR	GAGACCAAAGGCACTTCTTA		3			g	• •
2917015	pm 210	14,0	TGITGACATICCUALUAGA	GGACATITCTAGCCCACAGC	ş	75,55	75		22	~
317015	Pri-0109	24,0	GCCACAGAGACATCATCCT	CAGIGCCICIGIACICAGACA	7	\$	9 50	95 8	98	2
\$1000 P	Pm2042	No product	CAACCAOTTAGCGTGAACCT	ICI IAGFAGGIGCTCTGGTG	3	90	90	0 96	96	
05800030	prn0304	No product	CTTGGGATATTTGTTCAT	GEOTOGO	ţ	6	67		_	-
giones	probboa	No product	AGCCAGCCICTION	CCCICCCITACITICIATO	‡	9	9 09	29	_	~
521700	pin1673	No product	TGTGGTATGAAAATATCTCA	CIGGALIIGATITCATTAG	Į	69	6 3	-	~	-
91001365	pm2008	Ho product	CAGTAGTGTGCTTTC	TATGAGGAGACACT	\$	93	96 86	61 ,2	300	
6,600,03	Pm0361	Ho product	TACAOCCOTTOTACA	TTTATGIGAAATGIGGIIGT	Ŧ	63	3	=	3	٠ -
9751004	6+90wd	No product	TACATICACACACACACACACACACACACACACACACACA	I I IGAGCATCAAGGAAATCT	:2	05			500	
16810018	pm1284	Ho produci	ATCACACTCACACTCA	TITICAAAACTITAITCTT	9	99	86 ,2	31 002	9	٠ -
2591623	909 Luni	No product	GATCHGAGCCTTAACTCC	Almigeremeeargare	Į	3	9 /5		_	٠ ،
95001640	Pr1)0852	No product	ADDIORAL IDOMOCIONO	HGCAGTICAGCTITATIC	ş	. .	3	•	•	
			מייים בייים וורערע	TITATAACAAGACACCATAC	90	45	. st			

Fig. 11

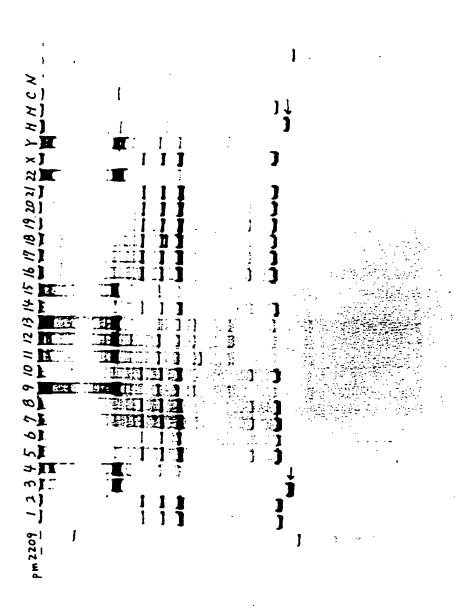


Fig. 12

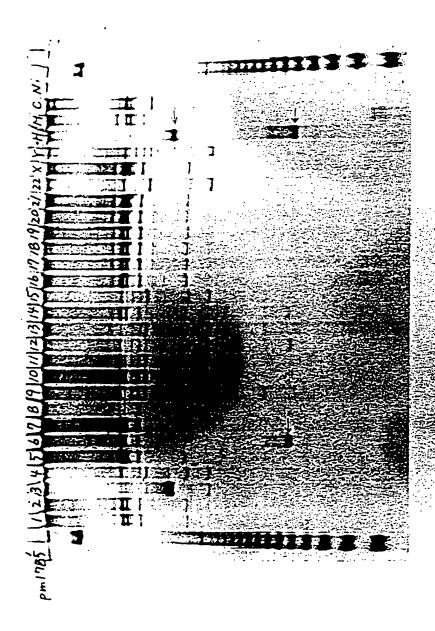


Fig. 13

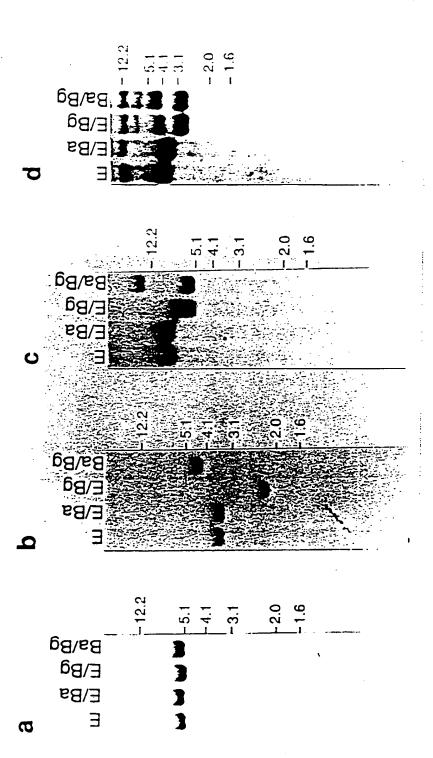


Fig. 14

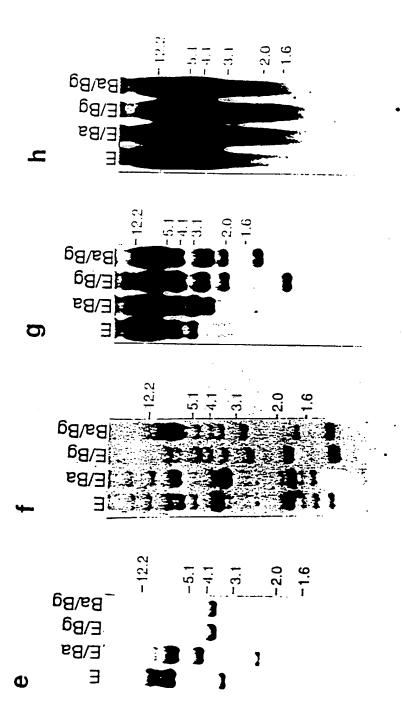
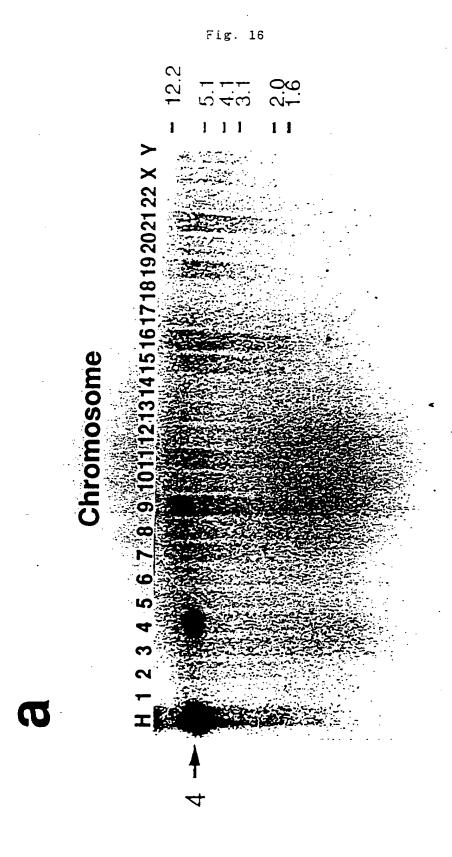
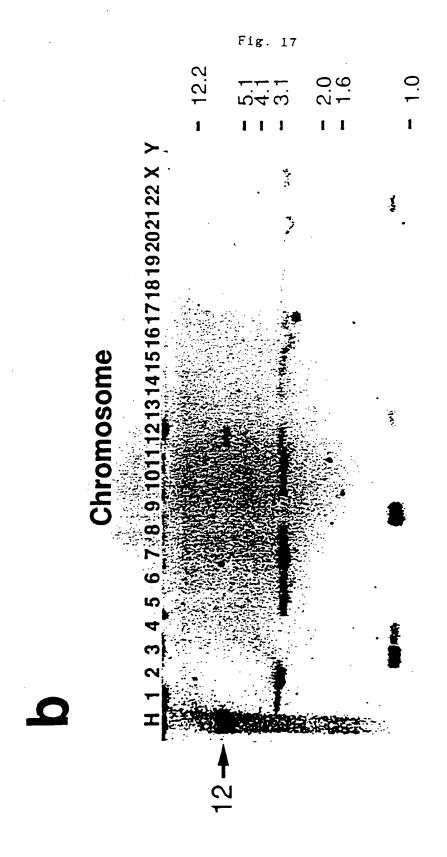


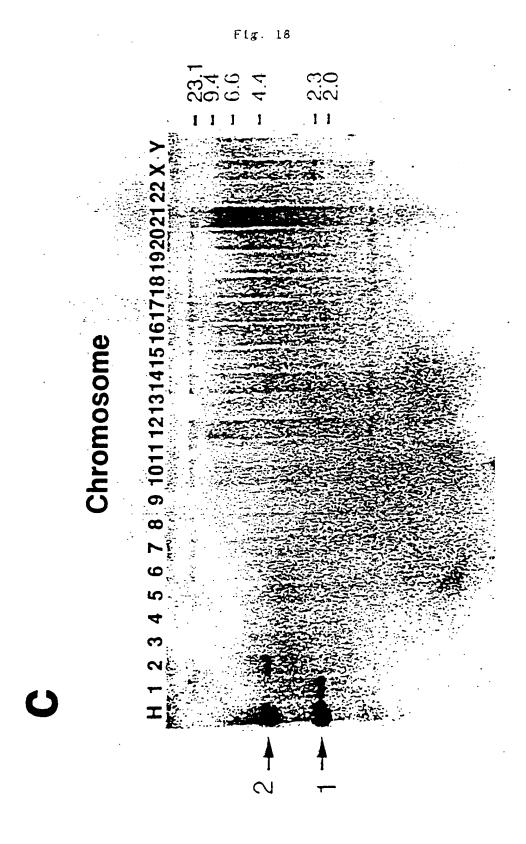
Fig. 15

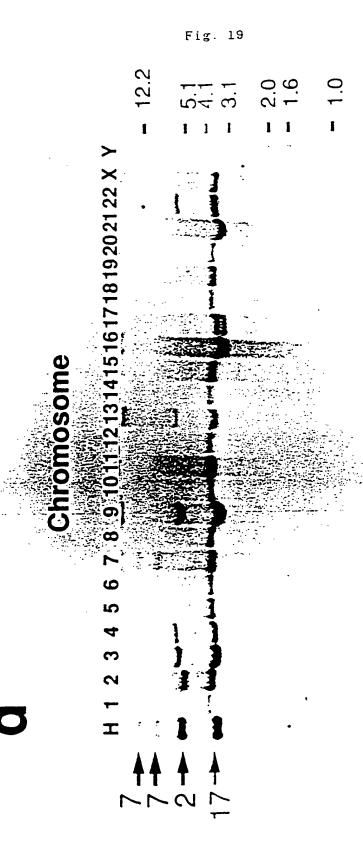
Hybrid cells used for Southern hybridization

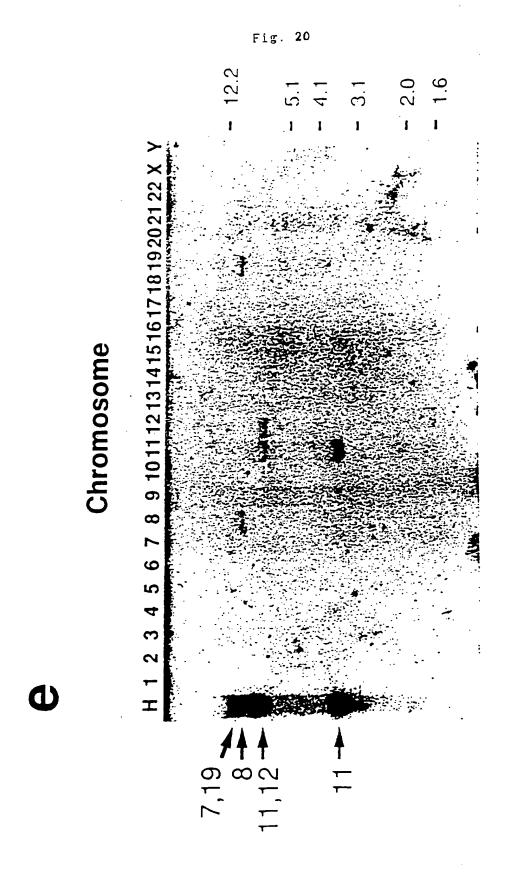
Hybrid Hun	man mosome		Intact chromosome (%)	Translocated chromosome (%);
A9(neo-1)-4	ı	A 9	(0)	0
A 9(neo-2)-!	2	A 9	93 (8)	0
GM 10253	3	CHO	100 (0)	С
GM 10115	4	CHO	100 (0)	0
A9(neo-5)-4	5	. A 9	40 (0)	90
A9(neo-6)-3	6	A 9	100 (60)	0
A9(neo-7)-2	7	A 9	100 (89)	0
A9(neo-8)-1	8	<u> </u>	91 (82)	0
GM10611	9	CHO	79 (5)	1 !
A9(neo-10)-3	0 1	A 9	94 (6)	75
A9(neo-11)-!	11	A 9	24 (0)	76
GM10927A -	1.1-	CHO	96 (2!)	4
A9(neo-12)-4	! 2	A 9	0 (0)	100
GM10868 -	12	CHO	82 (6)	0
GM 10898	13	CHO	82 (0)	10
GM 10479	14	376	76 (29)	0
A9(neo-15)-2	15	A 9	9 (0)	78
GM1!418 *	15	CHO	62 (0)	100
GM 10567	16	A 9	69 (0)	0
GM 10498	17	LTMK	80 (10)	0
A9(neo-18)-5	18	A 9	100 (66)	0
A9(neo-19)-1	19	A 9	92 (23)	8 .
A 9(neo-20)-3	20	A 9	8((5)	ι 7
GM08854	2!	A 9	31 (24)	0
GM 10027	22	CHO	93 (0)	100 .
GM 10324	Х	A 9	81(10)	0
GM06317	Υ	CHWIIO	3 91 (0)	9

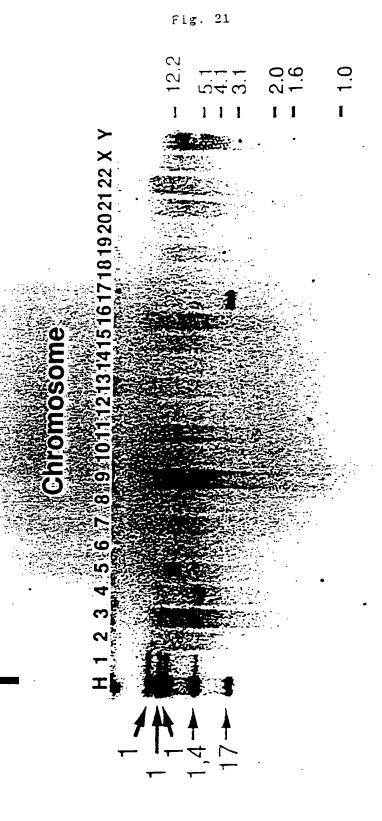














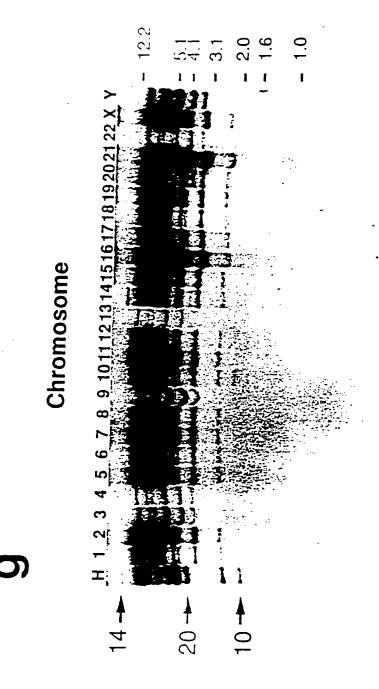


Fig. 23
Chromosomal mapping of each GS by Southern blot technique

Numbers with hum	of band an whol	s det	ecte	d omes			Chromosomes assigned	Bacl	ground
Clone		Sequen	ce		=/2.	32/33	•	Mouse	Chinese
Single ban	d group		=	- 5/54	_,,,,	30,5	······································		
c!2cii	CECCCCTS		t	ı	ī	ı	ç	0	0
c!1s06	GS000062	540	i	:	1	i	6.15	Ō	ō
	GS300082	212	ı I	i	·		2	1	:
c!2g0i c!3c05	GS000190	359	1	ı L	ī	:	ii÷	o O	o o
c 13c07	GS000120	355	1		i.		2	č	ā ·
e.3607	GS000208	257	i	ı.	i	· t	1 4	ā	0
e131:0	GS000258	133	ı	i	1	į.	12+	å	Ŏ
	-		•	-	L	·	á	ė	ō
c13hC2	G300322	167	Į.	l .		1	3	ō	ō
d0g02	G3000095	397	ı	Į,	1	-	11		ı
d0h07	C2000349 C2000124	313 -	I	1	l	i i	20	a	o .
41510		153	l .	t .	!	i I	20 Y7	0	a
	2 GS000223 GS000423	246	l a	t t	i I	t	i.	o	9.
hm0lc99 hm0lc13		157 394	ι	l l	ı L	ŧ	17	å	ō
hmolf03	• • • • • • • • • • • • • • • • • • • •	454	ı	i	i	1	19,22	ō	ō
h:::01:10	• •	173	à	ī	i	ī	10	ō	o
	•••••	477	1	Į	i	i	5	0	Ō
•	GS000053	363	ı I	i I	1	1	12 .	o o	Ō
	7 GS000115		•	* -	I.	L	4	o	ō
hm02a02		344	l	l		0	10	ā	ō
	G3000329	164	i .	l	0	_	15	0	ō
	GS00C293	271	l	!	i	Į.		0	0
	C\$300015	590	i	1	i	Į.	20	a	0
	GS00G342	156	0	i	i	I.	1.4	0	0
h::02:05		223	ŧ	I	0	0	n.d.	0	0
hm02g02		273	I	ı	I	i	17	-	-
hm05±05	C3000251	219	I	I	i	ŧ	á ·	2	0
hj:::05a10		392	l	1	I	!	l	Į	ı
hm05c10		606	ι	ŧ	!	ţ	l	0	0
kmd0 l	junk	169	ŧ	t	I	0.	n.đ.	0	0
2105	C2000001	703	ι	E	I	I	5	0	0
1110	G3000057	471	ı	ι	Į	į.	3	0	0
sildil	G\$000307	#175	0	O	0	ı	7	0	0
sithCi	C3000253	204	ī	t	i	ι	3 _.	0	0
s147	C3600060	÷6 !	Į.	ŧ	Į	0	3 ′	0	0
s l 4c0 ó	junk	639	ī	t	£	1	ľ	0	0
\$14gG2	C2000 (3 S	322	i	ŧ	ι.	ι	4	0	0
si4hi2	G3000271	193	ĩ	Ţ	ı	t	4	l	i
s t 50	G\$000143	330	l.	ι	I	t	ι 7	0	0
s l 5 G	C2300002	306	t	t	ŧ	ı	2	l	l .
slSbll	C\$000250	221	ŧ	l	ŧ	1	1 4	0	0
2179	G3000275	19á	t	t	ŧ	t	n.đ.	0	0
:246	CS000224	241	ι	ı	l	1	9	0	0
s 2 4 7	C3000347	153	i	ŧ	ı	t	t	0	0
:270	junk	135	t	t	Ł	i	19	G	0 .

F1g. 24

		of band man whol				•		Chromosomes assigned	Backg	round
	Clone	S	equenc lengt		E/9	ı E/3	lg 32/9g		Mouse	Chinese
	:306	C3300256	205	ı ·	ι	0	ι	X	0	0
	s309	GS000171	305	ı	t	- Q	ī	Į	o o	0
	s342	G3000323	165	ı	i	į	t	4	3	2
	:331	C3000295	207	1	ι	0	ţ	6.15	ı	1
	1334	C3000165	312	ı	ı	ı	ı	τ	ō	o
	:337	G300027a	195	Į	1	ı	ι	17	ā	0
	1539	G3000295	130	1	ŧ	t	ť	a.đ.	o	1
	:443	G3000220	251	I	1		ŧ	a.d.	a	O
	\$470	junk	251	1	i	1	1	17	ō	Ō
	5474	CS000192	273	1	i	ì	t	<u>.</u> .	ā	ā
	1503	iunk	312	i	i	i	i	12	ō	ō
	1507	lunk	600	i	i	i	1	ı	2	ı
	25L7	CS000334	161	ı	ı	I	[14	ī	i
	1632	iunk	537	I	1	1	i	2	à	ò
	1632	C2000f88.	311	i I	I	1	1	12	2	ı
	:510	C2000041	644	1	i	1	1	12	ī	ı
		G5000025	537 -	i	ı	ı	i	3.7	a ,	ò
	tw1-19		255	I	ı.	i	1	17	0	0
	tw1-19			-	-	_	-	- ·	0	0 .
			250	1	. 1	i	Į.	5	-	·•
	(w1-37		235	ı	ı	i .	I.	2.2	0	0
	tw1-42		39!	l	ı	i	į.	8	i	i
	tw1-43		178	I	I	ı	I	14	0	0
_	(w1-96		339	I	ï	ſ	!	1 1	0	O
Two	band g			_	_	_	_			
	c!2:12	CS000[95	277	l	2	2	2	t,	l	1
	c!3d02	GS000042	503	2	2	ŧ	Į.	2,	0 -	0
		6 CS000129	344	2	2	2	2	11,13	3	· \$
		7 03000207	259	2	2	2	2	7,	0	0
		5 CS000232	243	2	2	2	l.	2,	0	0
		C2000191	292	2	2	2	2	1.2	0	0
		CS000435	302	2.	2	2	2	3.	1	ι
		CS300221	253	2	2	2	2	3.	0	O
		CS000146	332	2	2	2	2	17.19.22	0	0
	hm01(07	G5000043	503	1	1	2	l	3,	0	0
	\$11d06	C3000268	205	2	2	2	2	11,12	0	0
	siigi2	G\$000337	255	2	2	2	2	6,	0	0
	s124	C2300083	404	2	2	2	2	9,	ı	ŧ
	1144	C2000f35	342	ŧ	2	2	2	1,7	0	0
	\$14603	C3000239	243	1	2	2	2	2,	3	2
	si ScO2	junk	439	2	2	ı	2	6.	ō	Ō
	116509	junk	420	1	ī	i	2	10.14	ō	Ö
	s17c09	C3000248	223	2	2	2	2	14.	ō	o ·
	£231	junk	234	2	2	2	2	11.	Ö	ā
	:254	C3000124	351	2	2	2	2	1.	3	i
	:255	CS000235	239	2	2	2	2	H.	ō	Ò
	:272	junk	195	2	2	2	2	10,16	t	1 .

Fig. 25

	umbers of bands detected ith human whole chromosomes					Chromosomes assigned	Background		
Clone	Sequence length <u>s</u> s/B: S					g 32/3g		Mouse	Chines hamste
1311	C2300092	333	ı	ı	2	2	16.	t	t
:313	junk	132	2	2	1	0	20.	O	0
1317	C2300 F00	339	0	0	ı	2	14.14	ı	ı
\$336	C2900F34	337	2	Z	2	2	12.14	0	0
2533	C20C0139	233	2	2	2	ī	22.X	0	0
1339	G3000233	137	2	ı	1	2	17.	0	Q.
:394	C2000063	419	2	t	2	2	13,14	0	0
:396 .	junk	277	2	2	2	2	17,	0	i
5455	junk	452	ı	2	2	1	4,	O	0
1456	GS000216	132	2	2	2	2	8,10	į	2
:465	C3000201	274	1	ı	2	2	6.15	a	0
:635	junk	250	ı	ι	1	2	9.13	ā	ā
2639	GS000297	205	1	2	2	2	2.X	ō	ā
1656	GS000025	#590	2	2	0	2	6,11	0	ō
(w1-33	junk	352	2	2	2	2	t,	0	0
tw1-39	C2000F23	#321	2	2	2	2	17,	0	0
tw1-70	CC30006 L	441	I	ī	2	ι	II.	0	0
tw1-80	junk	453	2	2	l	2	9,17	2	2
tw1-87	CZ000128	316	2	2	2	2	· 7,	0	0
Three band	i group						·		
40506	C2000030	417	3	3	3	ı	i.	0	a
hmÖSbO	7 junk	336	2	3	3	3	5.	o	0.
hm05g0:	z GS000209	267	2	2	2	1	3.17.19	ī	1
£129	CSCCCLOT	378	3	3	3	3	n.d.	· i	1
s173	GS000357	145	ı	2	2	3	2.	ò	ō
s17a10	GS000294	131	3	3	3	3	2,13,22	ī	l
\$308	GS000412	633	2	2	2	3 .	XX	i	i
340 I	GS000224	249	2	3	3	3	6,5,	ò	ā
1654	G\$000045	491	3	3	3	3	1.22.	ō	ō
t#1-82	GS000203	257	3	3	3	3	13.	4	ō
Four band g	roup:	•••	•	•	•	•	,	•	Ū
c12g07	GS000154	320	4	4	2	3	5, 14,	0	0
c13a08	GS000053	508	3	3	4	4	2,7,7,17	l	2
c13c04	CS000106	#376	4	3	3	3	n.d.	ò	2
c13c09	GS000302	195	4	2		4	2,17,	7	2
1136	C2000160	315	4	4	4	4	4.%	2	ĩ
:163	CZ000001	#613	4	4	4	2	4,4,8,20	3	l
£479	C2000130	293	4	4	2	2	7,8,11,11,12,19	o	a
oup with 5	or more			-	•	-	7,0,11,11,12,17	•	J
c12f08	GS000253	217	5	5	5	2	2,7,9,14,	2	0
hcQ t	junk	374	12	12	נ נו	13	1,7,9,14,	2 2 2	20
hdiO	junk	361	4	4	4	2	1.2.0, a.d.	12	6
helQ	iunk	173	6	2	3	3	a.a. 6. 3 .9.19.21.		
hmOlcOS	: ·	176	9	7	5	ر 5		3	3
hm01(04		215	•	, 10	5	-	Χ	9	8
hin01g02		411	9	G	6	5	n.d.	1 2	12 .
		711	,	U	0	4	10,14,20,	1.4	G

Fig. 26

Numbers with hu	of bands detected man whole chromosomes						Chromosomes assigned	Background	
Clone	Sequence length E E/3				E/3	31/35	·	Mouse	Chinese hamster
hm02(09	G5000273	442	3	7	7	5	3,3,6,11,13,14,15,16	0	0
h:::05a02	C3000096	373	5	6	4	6	2,3,!7,	3	3
hm05a04	G300236	#239	6	ó	6	7	n.d.	8 -	S
km50l	junk	- 350	5	5	5	5	13.	[4	7
s11f06	CCC00312	170	6	á	5	4	1,2,2,3,4,6,13,15,	O	3
\$14701	CC3000407	252	12	11	10	9 .	1,5,9,13,	5	5
s 1.73 _.	C2300031	397	5	1	5	3	1,1,1,1,4,17	0	o
s255	GS00G323	157	0.1	12	11	[4	13.	9	5
はなし	junk	494	9	9	3	á	a.d.	15	3
1406	CS3000 L13	364	6	7	5	4	2,7,3,13,20,20	4	ı
tw!-46	iunic	593	9	10	10	10	1,1,2,2,5,11,X,	3	5
tw L-63	junk	203	3	10	10	12	3,4,	17	11
Bands no de	tected:								
c13g02	C2300340	157	0	0	٥	O	•	•	•
hm0te10	junk	232	Q	0	0	0	•	-	-
hm02411	GS000274	196	0	0	0	a	•	-	•
:323	GS000273	194	0	0	0	0	-	-	•
\$359	C2000 F 3 3	279	0	0	0	0	•	-	•
s 5 ! !	junk	233	0	0	0	0	•	•	• •
s645	GS000012	#734	0	0	0	0	•	•	•
s 5 4 7	30100020	360	0	0	0	O	•	•	•
1651	junk	540	Q	0	0	O	•	•	-

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

△ BLACK BORDERS
☑ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
☐ FADED TEXT OR DRAWING
☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
☐ SKEWED/SLANTED IMAGES
☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
☐ GRAY SCALE DOCUMENTS
☑ LINES OR MARKS ON ORIGINAL DOCUMENT
☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
☐ OTHER:

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.